



April 16, 2026

New Mexico Energy and Natural Resources Department

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

**Re: Closure Request
Bill Wilshusen 201H Well Pad
Incident Number: nAPP2506233274
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 Bill Wilshusen 201H Well Pad (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of drilling mud onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2506233274.

BACKGROUND

The Site is located in Unit H, Section 22, Township 21 South, Range 27 East, in Eddy County, New Mexico (32.46782°, -104.170200001°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On March 3, 2025, an overflow of a drilling mud storage tank resulted in the release of approximately 10 barrels (bbls) of drilling mud onto the pad surface; 9 bbls of drilling mud were recovered, 1-bbl of drilling mud were unrecoverable. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on March 3, 2025, and submitted a Release Notification Form C-141 (Form C-141) on March 4, 2025. The release was assigned Incident Number nAPP2506233274.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, C-05042 POD1, located approximately 364 feet southwest of the Site. The well was a soil boring drilled to assess depth to groundwater beneath the Site and was advanced to a depth of approximately 55 feet below ground surface (bgs) on January 14, 2026. On January 19, 2026, the soil boring was measured by Ensolum personnel and was determined to be dry with the date recorded on the Well Record and Log being recorded as January 20, 2026, confirming

depth to groundwater beneath the Site to be greater than 55 feet bgs. The referenced well record and log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is the Lone Tree Draw, located approximately 1.80 miles southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is potentially underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

On August 22, 2025, Ensolum commissioned a geophysical karst survey using a New Mexico BLM approved third-party cave/karst contractor. The karst survey was conducted by Southwest Geophysical Consulting, LLC, under the supervision of Dave Decker. The findings of the report indicated there was no evidence of karst features within 200 feet of the release or beneath the Site, and one low-resistivity anomaly was identified at the Site that was interpreted as a response of nearby pad infrastructure. The anomaly was identified with the non-invasive electrical resistivity (ER) survey. Lastly, the ER survey indicated stable geology beneath the Site. The karst survey report is included in Appendix B.

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
- Total petroleum hydrocarbons (TPH): 2,500 mg/kg
- Chloride: 10,000 mg/kg

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On July 8, 2025, drill completion operations concluded and Ensolum personnel mobilized to the Site. Between July 8, 2025, and August 13, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided in the C-141. A total of 12 soil samples from six locations (SS01 through SS06) were collected at ground surface and 1-foot bgs to assess the lateral extent of impacted soil. Additionally, a total of 11 soil samples from three borehole locations (BH01 through BH03) were advanced via hand auger and backhoe within the release extent to assess the vertical extent of the release. Boreholes BH01 and BH02 were advanced to a terminal depth of 3 feet bgs and borehole BH03 was advanced to a terminal depth of 2 feet bgs.

On February 3 and 4, 2026, Ensolum personnel returned to the Site to further define the lateral extents of the release extent. A total of 23 lateral soil samples (SS01A, SS02A through SS02D, SS03A through SS03E, SS05A through SS05H, and SS06A through SS06E) were collected at ground surface around the release extent.

All delineation soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. Field screening results and

observations for the boreholes were logged on lithologic soil sampling logs, which are included in Appendix C. Photographic documentation of delineation activities is included in Appendix D.

All soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical for delineation soil samples SS01 through SS06, collected at ground surface and 1-foot bgs, were all in compliance with the strictest Closure Criteria. Laboratory analytical results for delineation soil samples collected on-pad from BH01 through BH03 were in compliance with the Site Closure Criteria at the ground surface. All COC concentrations for BH01 and BH02 were in compliance with the strictest Closure Criteria at 3 feet bgs. Samples from borehole BH03 were in compliance with the strictest Closure Criteria at 2 feet bgs.

Laboratory analytical for delineation soil samples SS02A, SS02B, SS03A through SS03E, SS05A through SS05D, SS05F, and SS06A through SS06E, collected at ground surface were all in compliance with the Site Closure Criteria. Laboratory analytical for delineation soil samples SS02C, SS02D, SS05E, SS05G, and SS05H collected at ground surface exceeded the Site Closure Criteria for TPH.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on February 3, 2026, impacted soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a hydro-vac, a hand crew, 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 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Twelve composite soil samples (FS01 through FS12) were collected from the floor of the excavation at depths ranging from 0.5 feet to 1-foot bgs. Composite soil sample SW01 was collected from the excavation sidewalls surrounding FS06 ranging in depth from 0.5 feet to 1-foot bgs. The majority of the excavation was excavated to 0.5 feet bgs and as such, sidewall samples in those areas were combined with floor confirmation samples hence, only one sidewall sample was collected where the excavation was advanced to 1-foot bgs or greater.

Between February 23, 2026, and March 30, 2026, Ensolum personnel returned to the Site to oversee the scrape of the areas surrounding noncompliant discrete samples SS02C, SS02D, SS05E, SS05G, and SS05H to remove impacted soil discovered during delineation activities. Following the removal of impacted soil, Ensolum personnel collected five 5-point composite soil samples (SS02C, SS02D, SS05E, SS05G, and SS05H) representing no more than 200 square feet from the floor of the scrapes at a depth of 0.5 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

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Closure Request



The final excavation extents combined measured approximately 3,265 square feet. A total of approximately 92 cubic yards of impacted soil associated with Incident Number nAPP2506233274 were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Disposal.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the final excavation floor soil samples FS01 through FS12 indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at depths ranging from 0.5 feet to 1-foot bgs. Laboratory analytical results for excavation sidewall soil sample SW01 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 for confirmation soil samples SS02C, SS02D, SS05E, SS05G, and SS05H of the scraped areas indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at a depth of 0.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS06, and laterally defined in accordance with the Site Closure Criteria by delineation soil samples SS02A through SS02D, SS03A through SS03E, SS05A through SS05H, and SS06A through SS06E, collected at ground surface, and vertically by boreholes BH01 through BH03, collected at depths ranging from 2 feet to 3 feet bgs. Excavation of impacted soil was completed, and excavation floor samples FS01 through FS12, SS02C, SS02D, SS05E, SS05G, and SS05H, collected at depths ranging from 0.5 feet to 1-foot bgs, and sidewall sample SW01, collected from 0.5 feet to 1-foot bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Numbers nAPP2506233274.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Chad Hamilton".

Chad Hamilton
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

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

Matador Production Company
Bill Wilshusen 201H Well Pad
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Appendices:

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

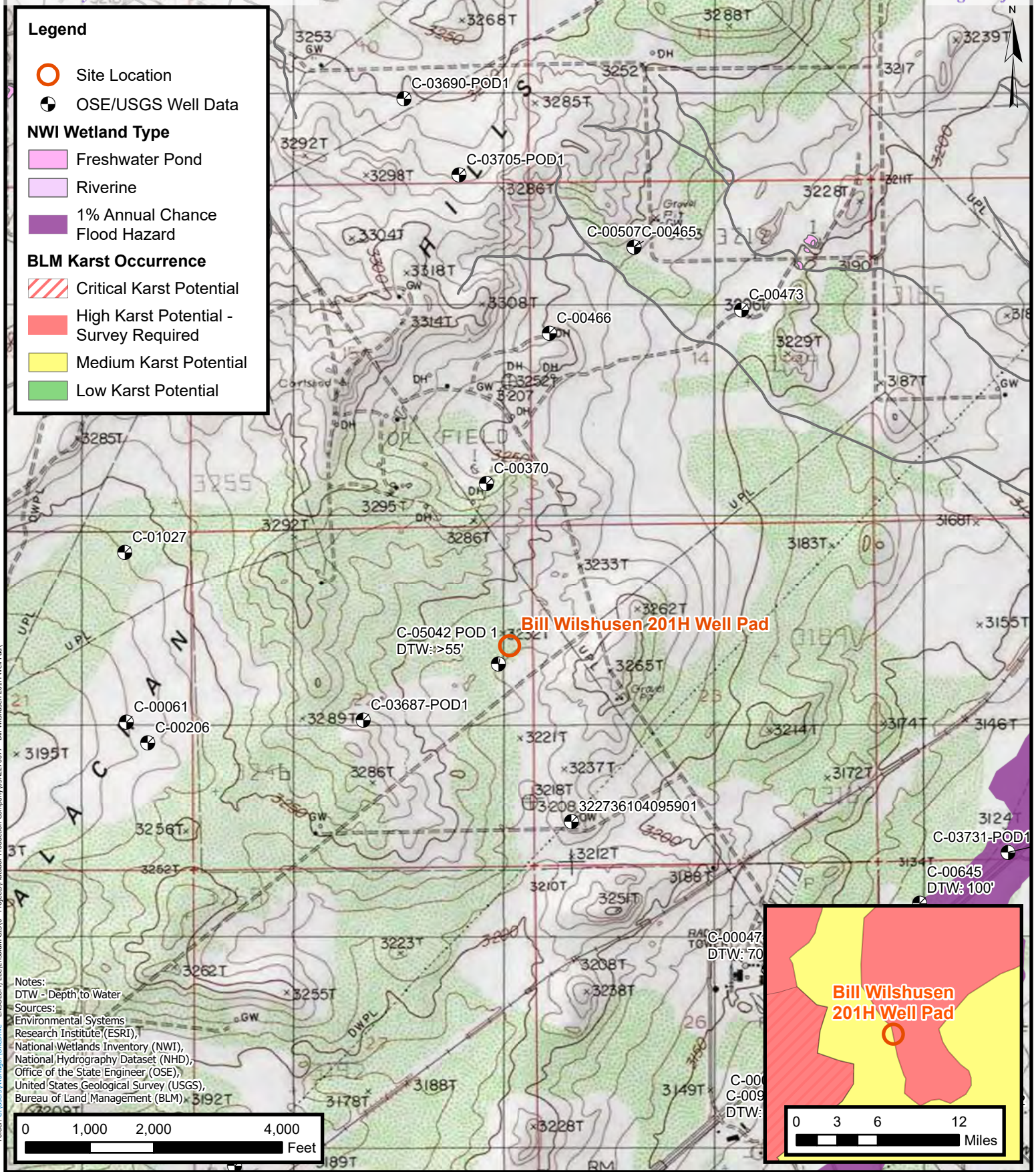
- Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2 Soil Sample Analytical Results (Excavation Soil Samples)

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



FIGURES





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Site Receptor Map
 Matador Production Company
 Bill Wilshusen 201H Well Pad
 Incident Number: nAPP2506233274
 Unit H, Section 22, T 21S, R 27E
 Eddy County, New Mexico

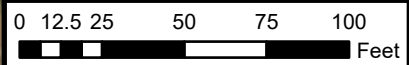
FIGURE
1

Legend

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



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in **bold** exceed the NMOCD reclamation standard where applicable.
 Grey text represents samples that have been excavated.



Sources: Environmental Systems Research Institute (ESRI)



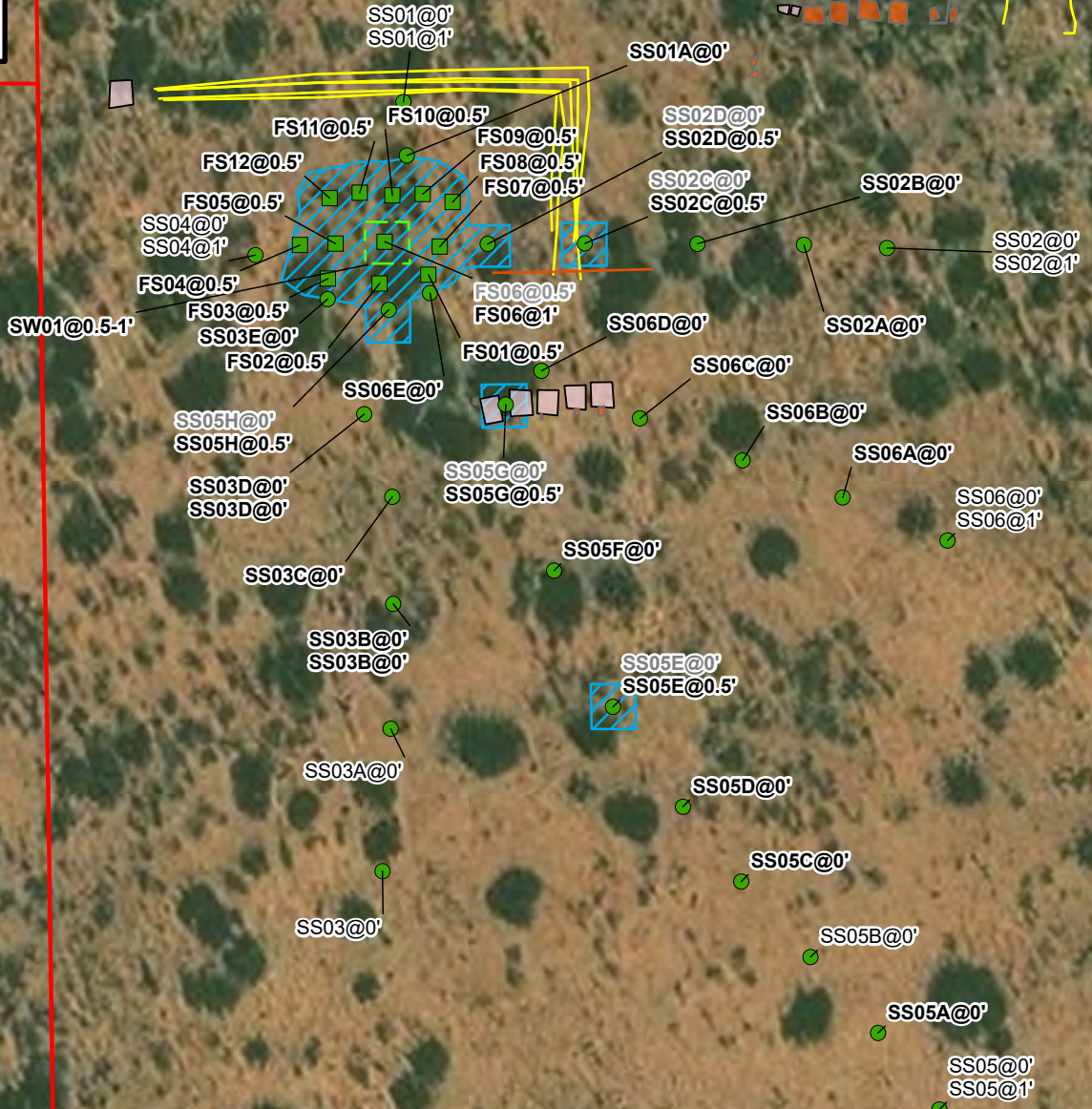
Delineation Soil Sample Locations

Matador Production Company
 Bill Wilshusen 201H Well Pad
 Incident Number: nAPP2506233274
 Unit H, Section 22, T 21S, R 27E
 Eddy County, New Mexico

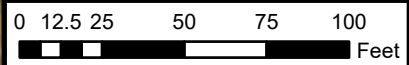
FIGURE 2

Legend

- Excavation Samples in Compliance with Closure Criteria
- Delineation Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Utility Line
- - Sidewall
- Boundary
- Electrical
- Infrastructure
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in **bold** exceed the NMOCD reclamation standard where applicable.
 Grey text represents samples that have been excavated.



Sources: Environmental Systems Research Institute (ESRI)

Excavation Soil Sample Locations

Matador Production Company
 Bill Wilshusen 201H Well Pad
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 Unit H, Section 22, T 21S, R 27E
 Eddy County, New Mexico

FIGURE
3





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Bill Wilshusen 201H Well Pad
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table 1 Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Sample Reruns										
SS01	7/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01	7/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	88.2
SS01A	2/3/2026	0	<0.0250	<0.0500	<20.0	582	506	582	1,088	105
SS02	7/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	250
SS02	7/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
SS02A	2/3/2026	0	<0.0250	<0.0500	<20.0	391	649	391	1,040	435
SS02B	2/3/2026	0	<0.0250	<0.0500	<20.0	708	1,330	708	2,038	116
SS02C	2/3/2026	0	<0.0250	<0.0500	<20.0	820	1,560	820	2,380	937
SS02D	2/3/2026	0	<0.0250	<0.0500	<20.0	784	2,230	784	3,014	6,040
SS03	7/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.0
SS03	7/8/2026	1	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	<20.0
SS03A	2/3/2026	0	<0.0250	<0.0500	<20.0	74.8	<50.0	74.8	74.8	49.3
SS03B	2/4/2026	0	<0.0250	<0.0500	<20.0	573	1,080	573	1,653	39.3
SS03C	2/3/2026	0	<0.0250	<0.0500	<20.0	342	186	342	528	1,100
SS03D	2/4/2026	0	<0.0250	<0.0500	<20.0	747	1,070	747	1,817	6,420
SS03E	2/3/2026	0	<0.0250	<0.0500	<20.0	205	72.1	205	277	914
SS04	7/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.7
SS04	7/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	330
SS05	8/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	179
SS05	8/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05A	2/3/2026	0	<0.0250	<0.0500	<20.0	52.3	74.2	52.3	126.5	638
SS05B	2/3/2026	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	468
SS05C	2/3/2026	0	<0.0250	<0.0500	<20.0	251	205	251	456	1,180
SS05D	2/3/2026	0	<0.0250	<0.0500	<20.0	788	1,250	788	2,038	371
SS05E	2/3/2026	0	<0.0250	<0.0500	<20.0	3,120	3,530	3,120	6,650	752
SS05F	2/3/2026	0	<0.0250	<0.0500	<20.0	835	1,510	835	2,345	27.8
SS05G	2/3/2026	0	<0.0250	<0.0500	<20.0	1,320	3,190	1,320	4,510	165
SS05H	2/3/2026	0	<0.0250	<0.0500	<20.0	1,040	966	1,040	2,006	1,430
SS06	8/13/2025	0	<0.0250	<0.0500	<20.0	25.7	<50.0	25.7	25.7	371
SS06	8/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Bill Wilshusen 201H Well Pad
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
SS06A	2/3/2026	0	<0.0250	<0.0500	<20.0	584	734	584	1,318	37.4
SS06B	2/3/2026	0	<0.0250	<0.0500	<20.0	66.7	105	66.7	172	70.0
SS06C	2/3/2026	0	<0.0250	<0.0500	<20.0	706	751	706	1,457	402
SS06D	2/3/2026	0	<0.0250	<0.0500	<20.0	304	437	304	741	25.8
SS06E	2/3/2026	0	<0.0250	<0.0500	<20.0	754	664	754	1,418	1,490
BH01	7/14/2025	0	<0.0250	<0.0500	<20.0	797	173	797	970	971
BH01	7/14/2025	1	<0.0250	<0.0500	<20.0	33.3	<50.0	33.3	33.3	1,170
BH01	7/23/2025	2	<0.0250	<0.0500	<20.0	35.4	<50.0	35.4	35.4	1,220
BH01	7/23/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
BH02	7/14/2025	0	<0.0250	<0.0500	<20.0	135	162	135	297	340
BH02	7/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,900
BH02	7/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,860
BH02	7/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102
BH03	7/14/2025	0	<0.0250	<0.0500	<20.0	78.3	<50.0	78.3	78.3	379
BH03	7/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,750
BH03	7/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	401

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Bill Wilshusen 201H Well Pad
 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)
NMOCDC Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCDC Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01	2/3/2026	0.5	<0.0250	<0.0500	<20.0	543	1,130	543	1,673	1,500
FS02	2/3/2026	0.5	<0.0250	<0.0500	<20.0	235	186	235	421	1,430
FS03	2/3/2026	0.5	<0.0250	<0.0500	<20.0	915	785	915	1,700	1,480
FS04	2/3/2026	0.5	<0.0250	<0.0500	<20.0	787	441	787	1,228	573
FS05	2/3/2026	0.5	<0.0250	<0.0500	<20.0	983	463	983	1,446	3,400
FS06	2/3/2026	0.5	<0.0250	<0.0500	<20.0	1,340	1,730	1,340	3,070	3,280
FS06	2/23/2026	1	<0.0250	<0.0500	<20.0	126	103	126	229	1,770
FS07	2/3/2026	0.5	<0.0250	<0.0500	<20.0	402	449	402	851	1,050
FS08	2/3/2026	0.5	<0.0250	<0.0500	<20.0	35.9	<50.0	35.9	<50.0	2,870
FS09	2/3/2026	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,140
FS10	2/3/2026	0.5	<0.0250	<0.0500	<20.0	69.4	<50.0	69.4	69.4	691
FS11	2/3/2026	0.5	<0.0250	<0.0500	<20.0	88.3	54.2	88.3	143	340
FS12	2/3/2026	0.5	<0.0250	<0.0500	<20.0	188	74.9	188	263	871
SS02C	2/23/2026	0.5	<0.0250	<0.0500	<20.0	166	325	166	491	605
SS02D	2/23/2026	0.5	<0.0250	<0.0500	<20.0	104	150	104	254	2,160
SS05E	2/23/2026	0.5	<0.0250	<0.0500	<20.0	63.5	82.2	63.5	146	3,220
SS05G	2/23/2026	0.5	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	763
SS05H	3/20/2026	0.5	<0.0250	<0.0500	<20.0	81.3	<50.0	81.3	81.3	816
Sidewall Soil Samples										
SW01	2/23/2026	0.5-1	<0.0250	<0.0500	<20.0	34.6	64.0	34.6	98.6	707

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: 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 NMOCDC reclamation standard where applicable.

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Record and Log



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S) C-5042			
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5400 Lyndon B. Johnson Fwy, Suite 1500				CITY Dallas	STATE TX	ZIP 75240	
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE	32	28				00.8
	LONGITUDE	104	10	14.6	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S22 T21s R27e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 1-14-26	DRILLING ENDED 1-14-26	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 *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 1-20-26		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	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'	6'	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FOR OSE INTERNAL USE		FILE NO.	POD NO.	TRN NO.
LOCATION			WELL TAG ID NO.	PAGE 1 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-5042 Pod 1
Well owner: Matador Production Company Phone No.: _____
Mailing address: 5400 Lyndon B. Johnson Fwy, Suite 1500
City: Dallas State: _____ TX Zip code: 75240

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Nathan Smelcer
- 4) Date well plugging began: 1-20-26 Date well plugging concluded: 1-20-26
- 5) GPS Well Location: Latitude: 32 deg, 28 min, 00.8 sec
Longitude: 104 deg, 10 min, 14.6 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 12/18/25
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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

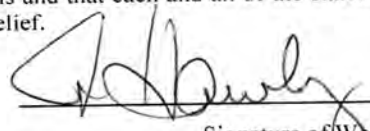
For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0' - 10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Pour	
10' - 55'	Drill Cuttings	Approx. 67 gallons	67 gallons	Pour	
[Vertical scale with tick marks]					

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

III. SIGNATURE:

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



 Signature of Well Driller

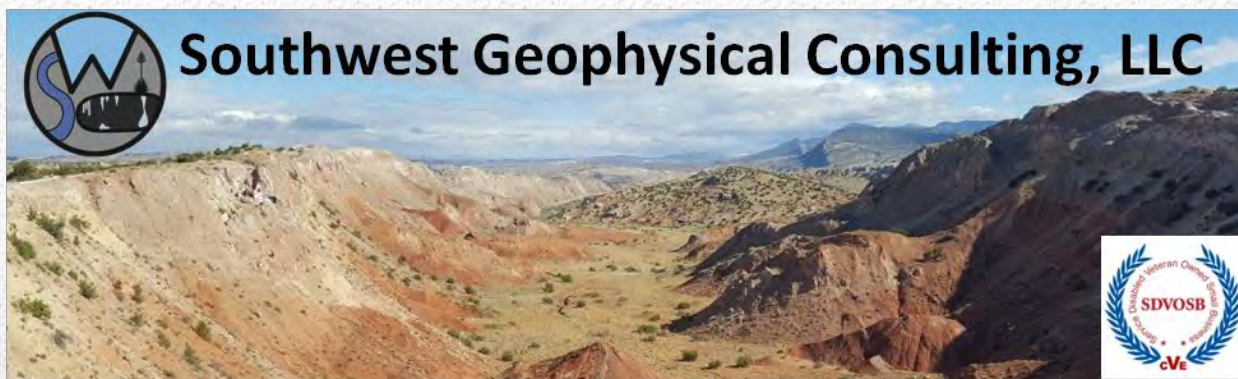
1/20/26

 Date



APPENDIX B

Karst Survey



**Environmental Karst Study Report
Matador Bill Wilshusen 201 H Well Pad
Eddy County, New Mexico**

**Prepared For:
Ensolum, LLC
3122 National Parks Highway
Carlsbad, NM 88220**

Within 200 feet of the spill delineation boundary:

- Negative Positive for surface karst
- Stable Unstable Ground
- Karst Monitor Recommended

September 22, 2025

ENS-023-20250822

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Published by:

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MMXXV

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1.0 INTRODUCTION

This report was commissioned by Ensolum, LLC (hereinafter referred to as "the client"), on August 22, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Matador Bill Wilshusen 201 H Well Pad release site (hereinafter termed "BW201") centered at N 32.467915° W 104.170320°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC^[1]), and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions^[2]) within 200 feet of the spill delineation boundary of the Matador Bill Wilshusen 201 H Well Pad release as provided by the client via e-mail (**Bill Wilshusen 201H Well Pad.kmz**) on August 22, 2025, using electrical resistivity imaging^[3].

1.2 Summary of Findings

- **No surface karst features exist within 200 feet (61 meters) of the spill delineation boundary.**
- **No anomalies consistent with subsurface air- or water-filled voids were found within the BW201 geophysical survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground within the 200-foot survey boundary.**

1.3 Affected Environment

The BW201 project is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

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

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

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat^[4].

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

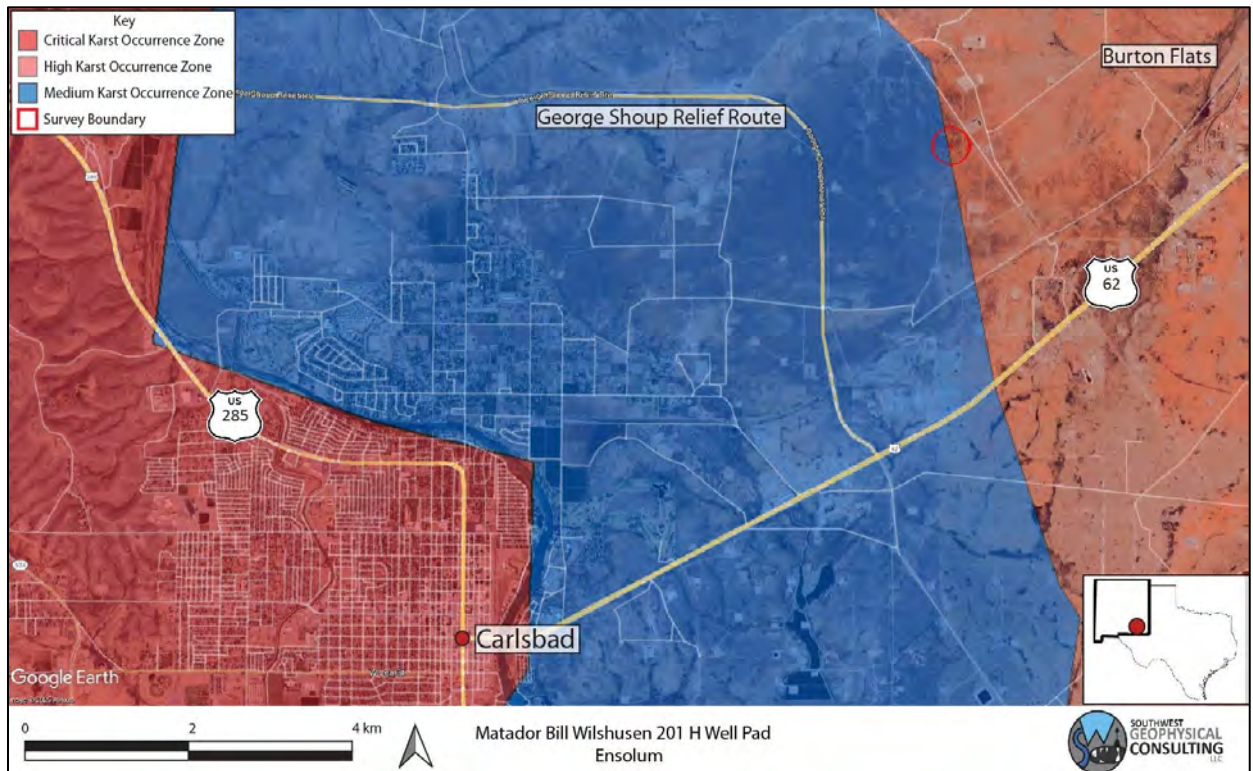


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

1.4 Limitations of Report

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

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

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

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the date of the field work provided in section **2.3 Description of Survey**. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 7.8 kilometers (4.9 miles) northeast of Carlsbad, New Mexico, north of US Highway 62 and east of the George Shoup Relief Route. The release area is located within the NE ¼ section of section 22, NM T21S R27E^[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[7] (see section **2.2 Local Geology Summary** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an HKOZ^[5] (**Figure 1**) and within BLM-CFO managed land^[10] (**Figure 2**).

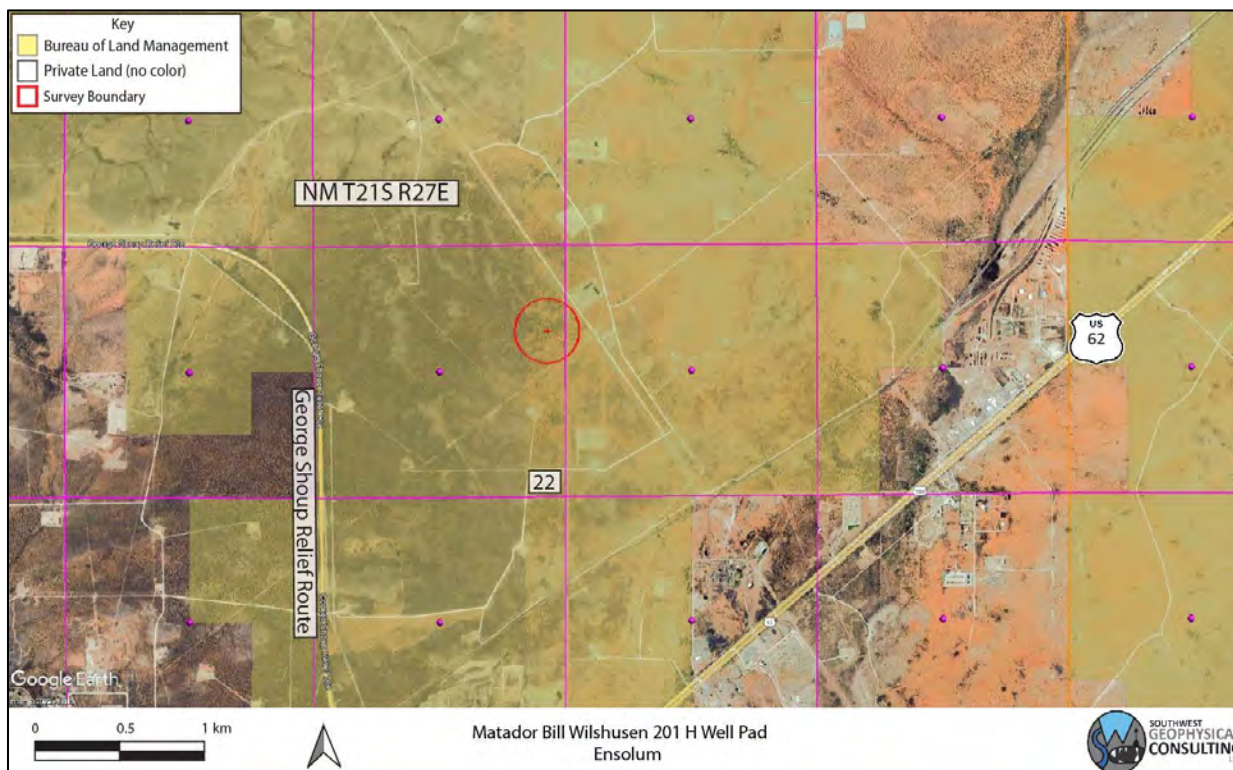


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the BW201 survey is located at an elevation of 987 meters (3,238 feet), ± 2 meters (6.6 feet). This region is entirely underlain by the Permian Salado Formation (Psl). The area is mantled by thin gypsiferous soils (gypsite), Quaternary alluvium (Qal), eolian (Qe), and piedmont deposits (Qp)^[11] up to 5 meters in depth (**Figure 3**).

The Permian Salado Formation is a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface^[12]. The overlying Rustler Formation (Pru – not shown) may be subject to collapse if a void has developed beneath it in the Salado Formation^[13].

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

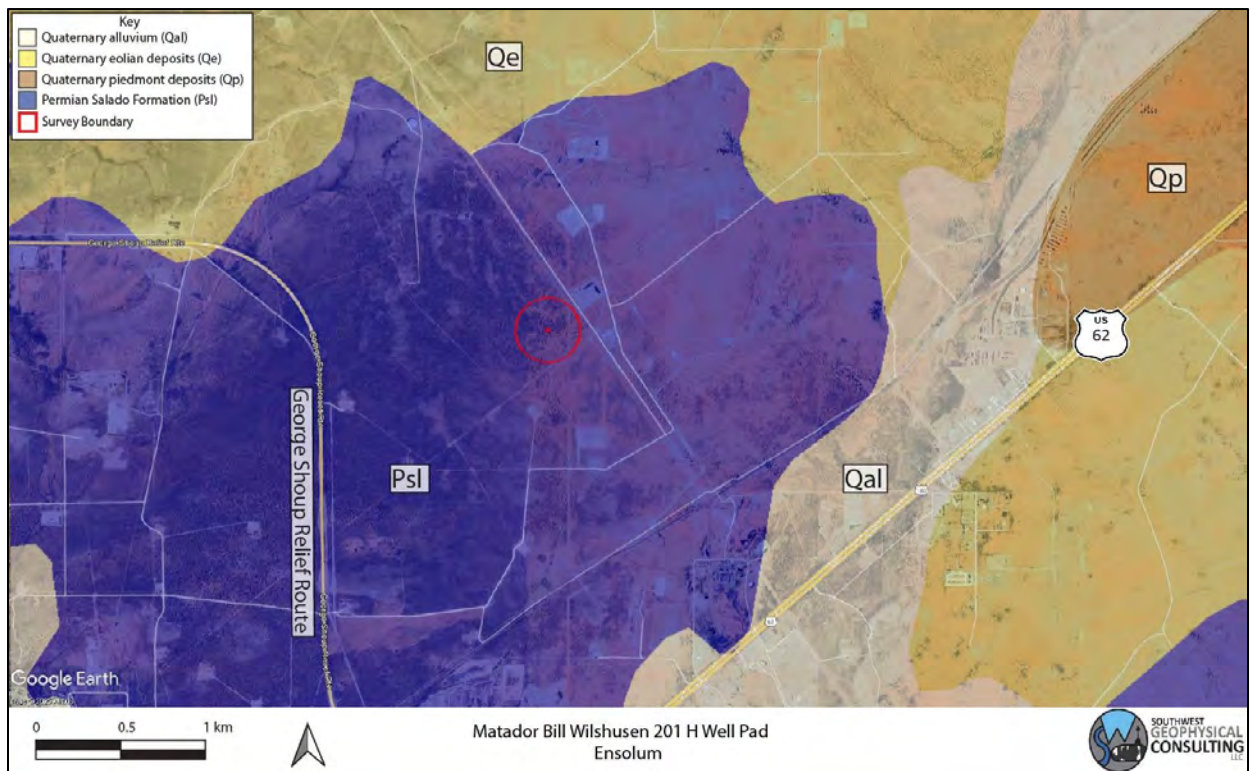


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

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

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance^[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated July 13, 2024 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated August 10, 2025^[15]; the Carlsbad East, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

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



Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: July 13, 2024. Datum: WGS-84. Orthoimagery is shown overlying the background image as the well pad is not yet on Google aerial/satellite imagery

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

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on August 29, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Britt Bommer of Southwest Geophysical Consulting on September 4, 2025.

2.3.2 Geophysical Survey

For this survey, a Guideline Geo Terrameter LS 2 and a 28-electrode array of 40-centimeter-long electrodes were used to image the subsurface. This survey consisted of two resistivity lines in a dipole-dipole configuration; line BW20101 is laid out west to east, while line BW20102 is laid out south to north. Both lines consisted of 28 electrodes at 5-meter spacing, resulting in 135-meter-long arrays (**Figure 5, Table 1**). A preconfigured protocol file was used to run the data collection (DipoleDipole2x14). This electrode configuration provided a depth of investigation of 27 meters (89 feet) and a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

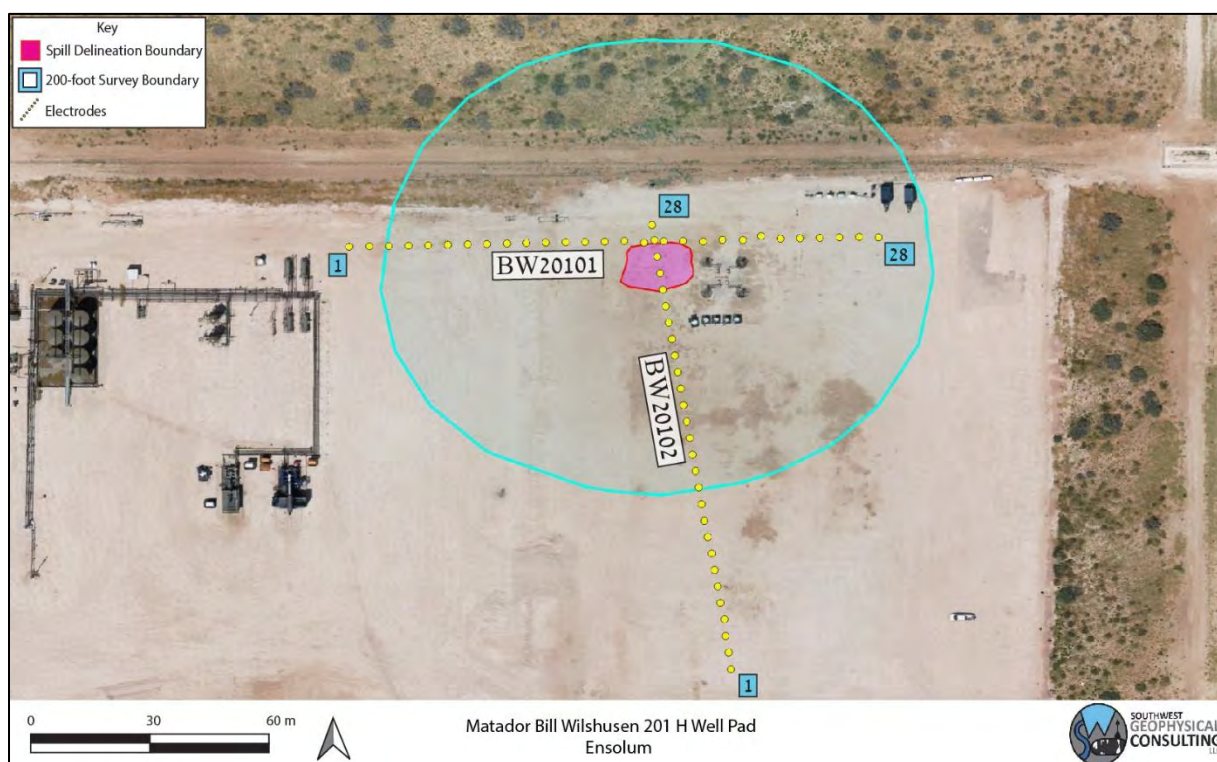


Figure 5: Geophysical survey overview. Two survey lines were conducted with 28 electrodes each at 5-meter spacing (yellow dots denoted with blue numbers). Orthoimagery is shown as the well pad is not yet on Google aerial/satellite imagery.

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

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files BW201_ERI_Points.xlsx and ENS-023-20250822_BW201_Data_Files.kmz.

File Name:	Completed By:	Date:
BW20101.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Aaron Beirl – Field Geologist Ryan Palmer – GIS Specialist	9/9/2025
BW20102.kmz		

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

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

Table 2: Software Information and Settings

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

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

All field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, Aaron Beirl, and Ryan Palmer on September 9, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features within 305 meters (1,000 feet)^[1] of the spill delineation boundary (Figure 6).

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

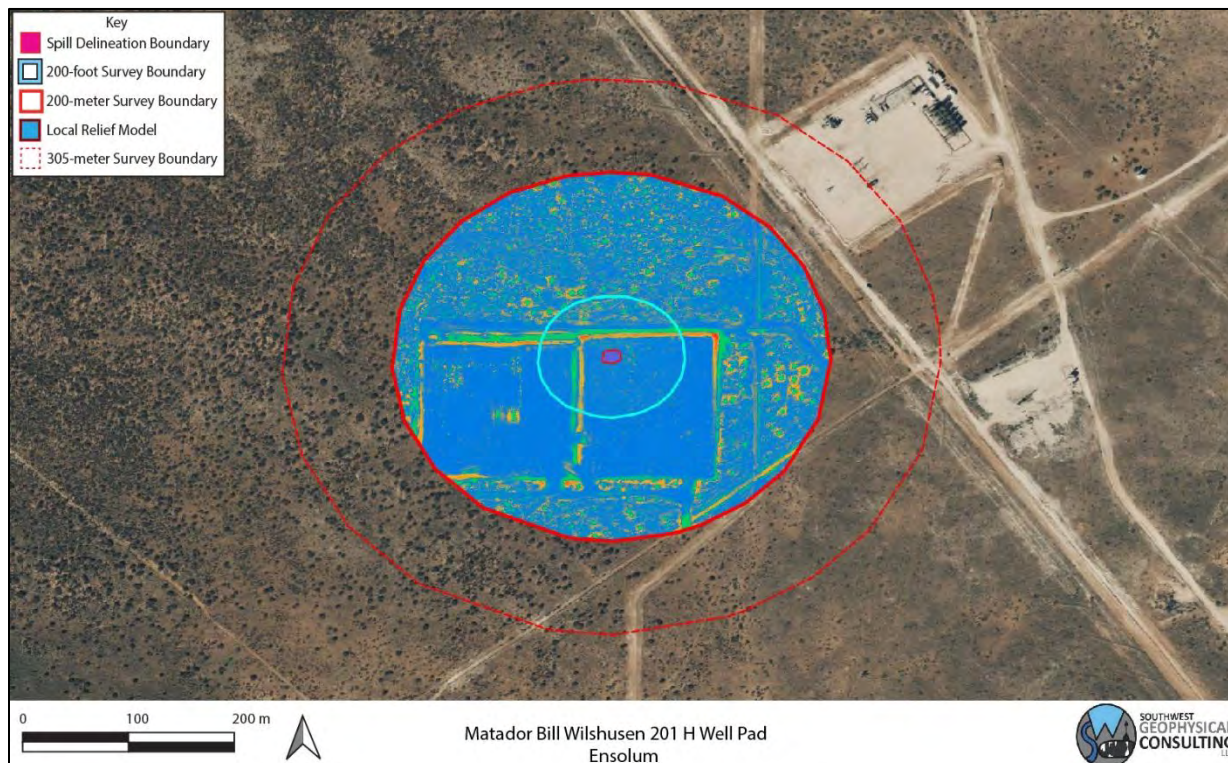


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

3.2 Geophysical Survey

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

The results of this study indicate a moderately well-layered geologic system with resistivities between 5.0 and 1,000 Ohm-m with occasional areas of up to 8,629 Ohm-m. A low-resistivity area with values of 1.6 – 5.0 Ohm-m is seen across both resistivity sections (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

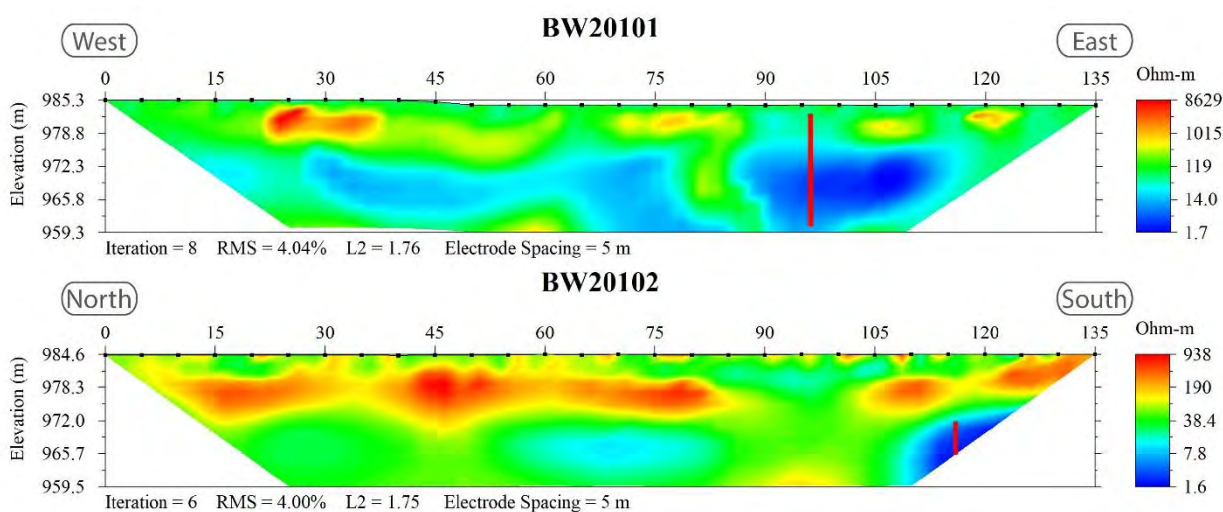


Figure 7: 2D inverted resistivity section. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Red vertical lines highlight possible drill column or cased well. Please note that the color scale is relative.

4.0 DISCUSSION

No surface karst features and no anomalies consistent with air-filled subsurface voids are found within the BW201 survey area. However, small solutionally enlarged voids or fractures at or near the resolution limit of the survey (2.5 – 3.0 meters) may be present. A low-resistivity anomaly is observed on both resistivity sections at a depth of approximately 1 – 27 meters beneath the surface and is interpreted as a response of nearby pad infrastructure, most likely a drill column or well casing.

Areas of higher resistivity (reds, yellows, and greens) near the surface are interpreted as dry gypsum soils or Quaternary sediments^[17]. Low-resistivity areas between 5 – 20 Ohm-m may either represent fluid from the brine release, surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Salado Formation (**Figure 7** and **Figure 8**).

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

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

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

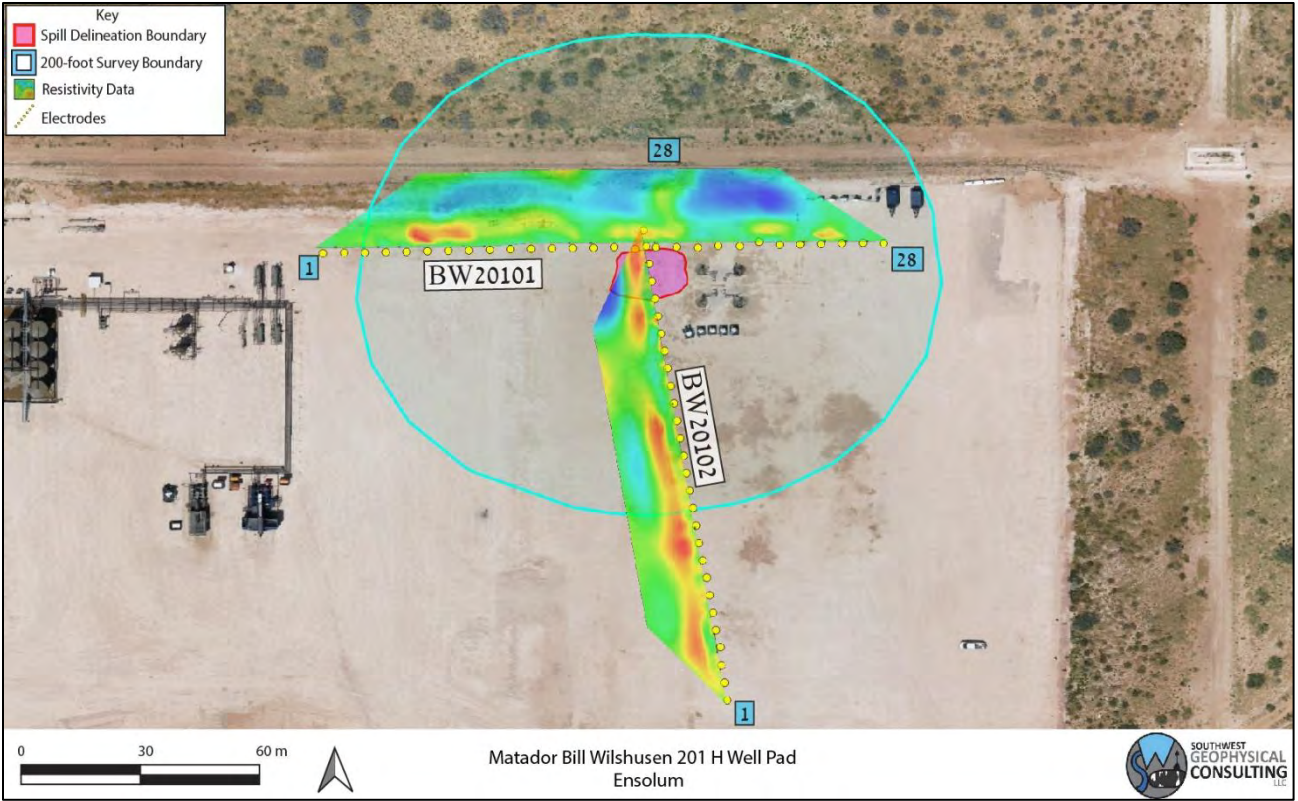


Figure 8: Data overlay. Colored trapezoid is the 2D inverted resistivity lines. Orthoimagery is shown as the well pad is not yet on Google aerial/satellite imagery.

5.0 SUMMARY

- **The BW201 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- **No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the geophysical survey area.**
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Well-layered stratigraphy is interpreted to exist beneath the geophysical survey line, indicating stable ground in the area of the subsurface investigation.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

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

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

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

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

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

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

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

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

7.0 REFERENCES

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- 8 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*, 2010).
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- 12 Austin, G. S. *Geology and mineral deposits of Ochoan rocks in Delaware Basin and adjacent areas*. Vol. Circular 159 (New Mexico Bureau of Mines and Mineral Resources, 1978).
- 13 Johnson, K. S. Evaporite Karst in the United States. *Carbonates and Evaporites* **12**, 2-14 (1997).
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- 15 Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).

- 16 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).
- 17 Hill, C. A. *Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas*. Vol. 96-39 (Permian Basin Section - SEPM, 1996).

8.0 GLOSSARY OF TERMS

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

field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.

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

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist

Southwest Geophysical Consulting, LLC

5117 Fairfax Dr. NW

Albuquerque, NM 87114

dave@swgeophys.com

(505) 585-2550

CERTIFICATE OF AUTHOR

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

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ENS-023-20250822 entitled, “Environmental Karst Study Report, Matador Bill Wilshusen 201 H Well Pad, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section **2.3 Description of Survey**.

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

Dated in Albuquerque, New Mexico, September 25, 2025.




David D. Decker
PhD, CPG-12123







APPENDIX C

Lithologic Soil Sampling Logs

					Sample Name: BH01		Date: 7/14/25-7/23/25	
					Site Name: Bill Wilshusen 201H Well Pad			
					Incident Number: nAPP2506233274			
					Job Number: 03A2270077			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Back Hoe	
Coordinates: 32.467913, -104.170335					Hole Diameter: 2'		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water 40% correction factor included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			V	BH01	0	0	CCHE	Caliche Pad - White to medium brown, medium to fine grained with some gravel, Dry, Non-plastic, Noncohesive
D	1293		Y	BH01	1	1	CCHE	
D	856		N	BH01	2	2	CCHE	Caliche - White to grey, medium to fine grained with some gravel, Dry, Non-plastic, Noncohesive, Massive, Well graded
	296	169			2.5			
D	ND	54	N	BH01	3	3	CCHE	
Total Depth @ 3ft bgs.								

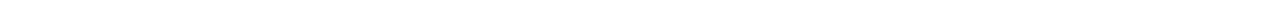
					Sample Name: BH02		Date: 7/14/25	
					Site Name: Bill Wilshusen 201H Well Pad			
					Incident Number: nAPP2506233274			
					Job Number: 03A2270077			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Hand Auger	
Coordinates: 32.467890, -104.170252					Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water 40% correction factor included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH02	0	0	CCHE	Caliche Pad - White to very light brown, medium to fine grained with some gravel, Dry, Non-plastic, Noncohesive
	3343		N	BH02	1	1		Caliche - White to grey, medium to fine grained with some gravel, Dry, Non-plastic, Noncohesive, Massive, Well graded
	2100		N	BH02	2	2		
	ND	50	N	BH02	3	3		
Total Depth @ 3ft bgs.								

					Sample Name: BH03		Date: 7/14/25-7/22/25	
					Site Name: Bill Wilshusen 201H Well Pad			
					Incident Number: nAPP2506233274			
					Job Number: 03A2270077			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Back Hoe	
Coordinates: 32.467844, -104.170361					Hole Diameter: 2'		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water 40% correction factor included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	515	97	Y	BH03	0	0	CCHE	Caliche Pad - White to very light brown, medium to fine grained with some gravel, Dry, Non-plastic, Noncohesive
			Y	BH03	1	1		
			N	BH03	2	2	SP-SM	Silty Sand - Med Brn, Med to f grn, D, Non-P, Non-C
Total Depth @ 2 feet bgs.								



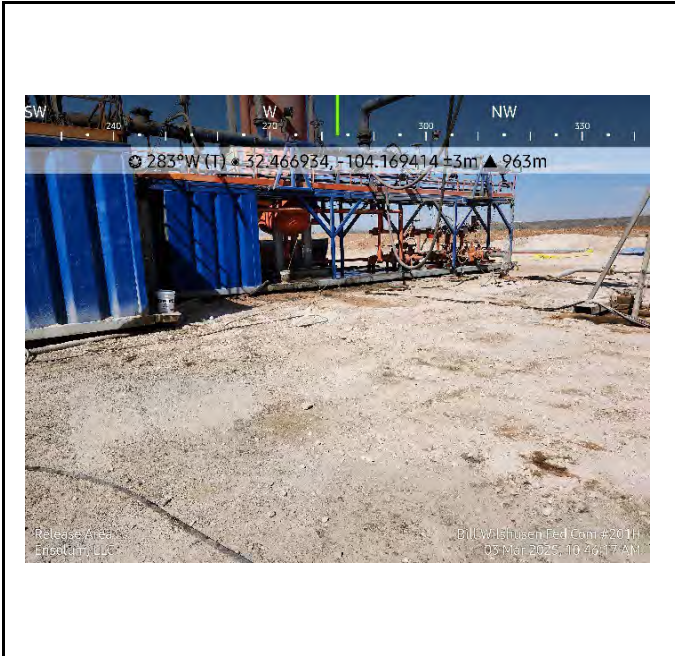
APPENDIX D

Photographic Log



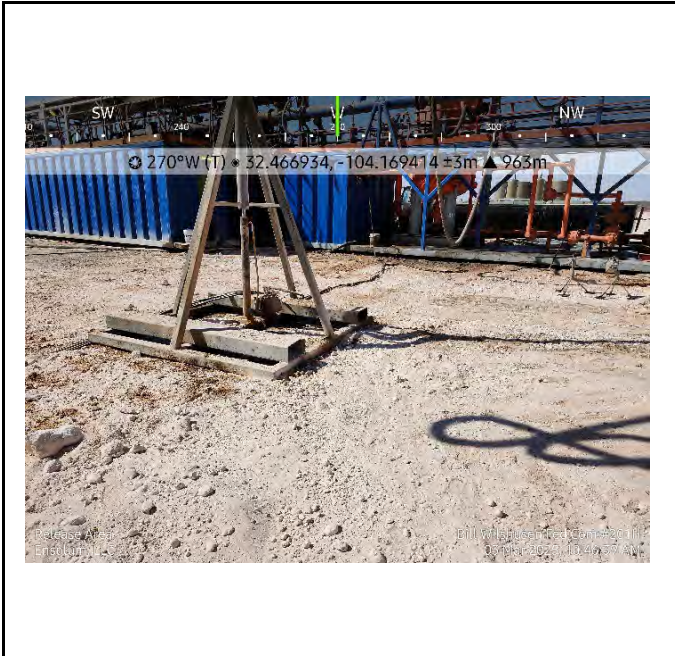
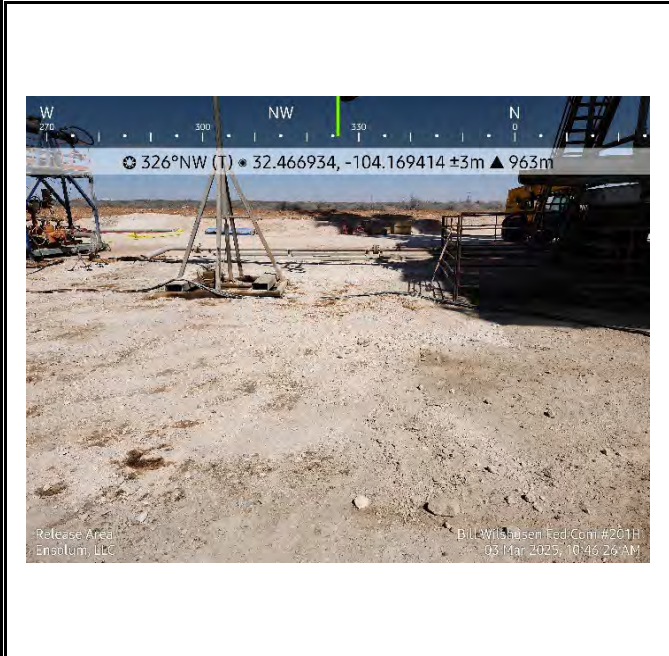


Photographic Log
 Matador Production Company
 Bill Wilshusen 201H Well Pad
 nAPP2506233274



Photograph 1 Date: 3/3/2025
 Description: Lease Signage
 View: North

Photograph 2 Date: 3/3/2025
 Description: Release Area
 View: West



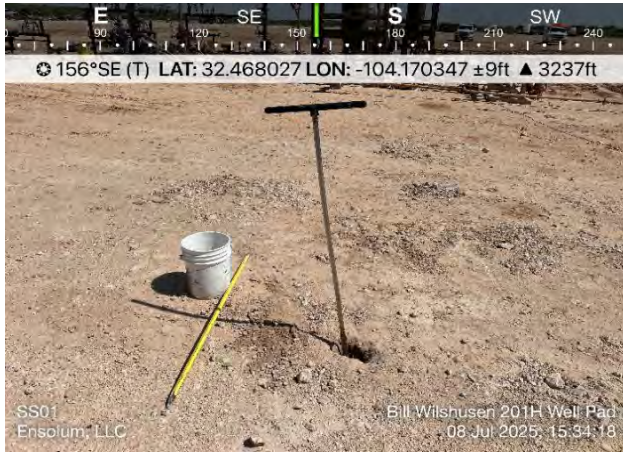
Photograph 3 Date: 3/3/2025
 Description: Release Area
 View: Northwest

Photograph 4 Date: 3/3/2025
 Description: Release Area
 View: West



Photographic Log

Matador Production Company
Bill Wilshusen 201H Well Pad
nAPP2506233274



Photograph 5 Date: 7/8/2025
Description: Delineation (SS01)
View: South



Photograph 6 Date: 7/8/2025
Description: Delineation (SS03)
View: North



Photograph 7 Date: 7/14/2025
Description: Delineation (BH01)
View: East



Photograph 8 Date: 7/14/2025
Description: Delineation (BH02)
View: East



Photographic Log
 Matador Production Company
 Bill Wilshusen 201H Well Pad
 nAPP2506233274



Photograph 9 Date: 7/14/2025
 Description: Delineation (BH03)
 View: East

Photograph 10 Date: 7/22/2025
 Description: Delineation (BH01)
 View: Direct



Photograph 11 Date: 7/23/2025
 Description: Delineation (BH01)
 View: East

Photograph 12 Date: 8/13/2025
 Description: Delineation (SS06)
 View: Southwest



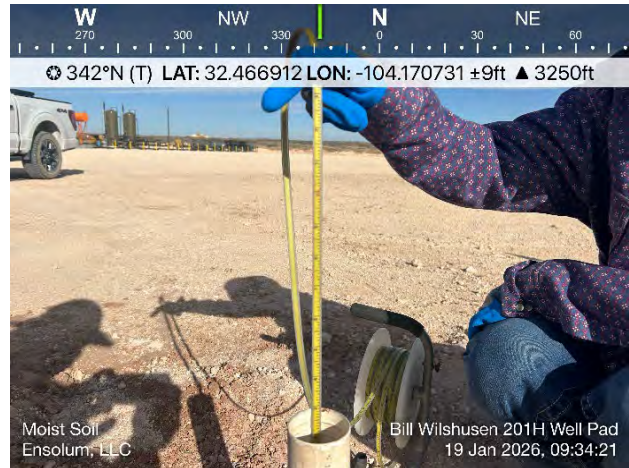
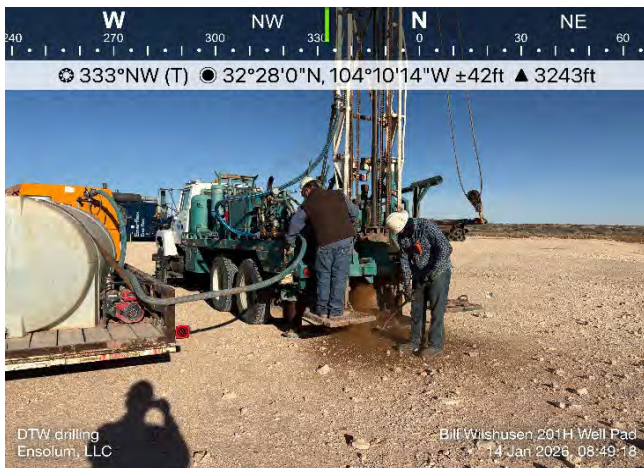
Photographic Log

Matador Production Company
Bill Wilshusen 201H Well Pad
nAPP2506233274



Photograph 13 Date: 8/21/2025
Description: Wellheads
View: West

Photograph 14 Date: 1/14/2026
Description: Depth to Water Boring
View: North



Photograph 15 Date: 1/14/2026
Description: Depth to Water Strat Grid
View: North

Photograph 16 Date: 1/19/2026
Description: DTW Measurement (Photo Desc. Incorrect)
View: North



Photographic Log

Matador Production Company
Bill Wilshusen 201H Well Pad
nAPP2506233274



Photograph 21 Date:1/30/2026
Description: Excavation Marking
View: South

Photograph 22 Date: 2/03/2026
Description: Excavation
View: North

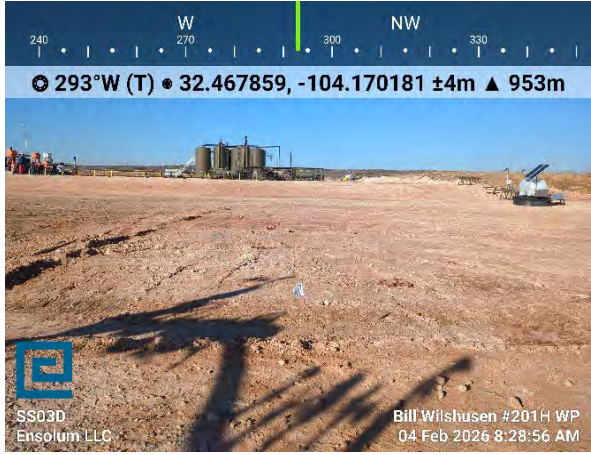


Photograph 23 Date: 2/03/2026
Description: Delineation SS06E
View: Northwest

Photograph 24 Date:2/03/2026
Description: Excavation
View: South



Photographic Log
Matador Production Company
Bill Wilshusen 201H Well Pad
nAPP2506233274



Photograph 25 Date: 2/04/2026
Description: Delineation (SS03B)
View: Northwest

Photograph 26 Date: 2/04/2026
Description: Delineation (SS03D)
View: Northwest



Photograph 27 Date: 2/23/2026
Description: Excavation
View: East

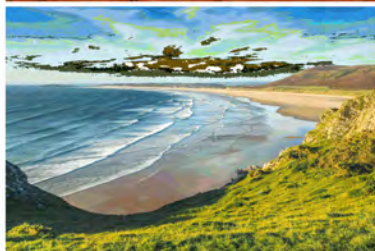
Photograph 28 Date: 2/23/2026
Description: Delineation (SS05E)
View: North



APPENDIX E

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: Bill Wilshusen 201H Well Pad

Work Order: E507088

Job Number: 23003-0002

Received: 7/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/16/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 7/16/25

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E507088
Date Received: 7/10/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/10/2025 7:00:00AM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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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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: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/16/25 15:57
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E507088-01A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
SS01 - 1'	E507088-02A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
SS02 - 0'	E507088-03A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
SS02 - 1'	E507088-04A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
SS03 - 0'	E507088-05A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
SS03 - 1'	E507088-06A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
SS04 - 0'	E507088-07A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
SS04 - 1'	E507088-08A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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SS01 - 0'

E507088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
---------	--------	-----------------	----------	----------	----------	-------

Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2528156	
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	

<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2528156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528180	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	07/11/25	07/13/25	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2528148	
Chloride	ND	20.0	1	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
---	--	---

SS01 - 1'

E507088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		98.9 %	61-141	07/11/25	07/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	88.2	20.0	1	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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SS02 - 0'

E507088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	07/11/25	07/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	250	20.0	1	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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SS02 - 1'
E507088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	07/11/25	07/13/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2528148
Chloride	232	20.0	1	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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SS03 - 0'

E507088-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	07/11/25	07/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	49.0	20.0	1	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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SS03 - 1'

E507088-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	07/11/25	07/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	ND	20.0	1	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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SS04 - 0'

E507088-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	07/11/25	07/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	99.7	20.0	1	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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SS04 - 1'

E507088-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	07/10/25	07/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	07/10/25	07/14/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		98.7 %	61-141	07/11/25	07/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	330	20.0	1	07/09/25	07/12/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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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 (2528156-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2528156-BS1)

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

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

Matrix Spike (2528156-MS1)

Source: E507088-03

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

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

Matrix Spike Dup (2528156-MSD1)

Source: E507088-03

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

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



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528156-BLK1)

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

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

LCS (2528156-BS2)

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

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

Matrix Spike (2528156-MS2)

Source: E507088-03

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

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

Matrix Spike Dup (2528156-MSD2)

Source: E507088-03

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

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



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528180-BLK1)

Prepared: 07/11/25 Analyzed: 07/13/25

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

LCS (2528180-BS1)

Prepared: 07/11/25 Analyzed: 07/13/25

Diesel Range Organics (C10-C28)	266	25.0	250		106	66-144			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			

Matrix Spike (2528180-MS1)

Source: E507074-01

Prepared: 07/11/25 Analyzed: 07/13/25

Diesel Range Organics (C10-C28)	1000	50.0	250	978	10.1	56-156			M4
Surrogate: n-Nonane	57.0		50.0		114	61-141			

Matrix Spike Dup (2528180-MSD1)

Source: E507074-01

Prepared: 07/11/25 Analyzed: 07/13/25

Diesel Range Organics (C10-C28)	1300	50.0	250	978	129	56-156	25.8	20	R3
Surrogate: n-Nonane	60.5		50.0		121	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:57:27PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528148-BLK1)

Prepared: 07/09/25 Analyzed: 07/12/25

Chloride	ND	20.0							
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LCS (2528148-BS1)

Prepared: 07/09/25 Analyzed: 07/12/25

Chloride	259	20.0	250		103	90-110			
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Matrix Spike (2528148-MS1)

Source: E507088-04

Prepared: 07/09/25 Analyzed: 07/12/25

Chloride	575	20.0	250	232	137	80-120			M2
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Matrix Spike Dup (2528148-MSD1)

Source: E507088-04

Prepared: 07/09/25 Analyzed: 07/12/25

Chloride	571	20.0	250	232	135	80-120	0.772	20	M2
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QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/16/25 15:57
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- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				EE07087		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																				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 1008	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
13:33	7/8/2025	Soil	1	SS01 - 0'			1								x					
15:33	7/8/2025	Soil	1	SS01 - 1'			2								x					
14:16	7/8/2025	Soil	1	SS02 - 0'			3								x					
15:41	7/8/2025	Soil	1	SS02 - 1'			4								x					
14:58	7/8/2025	Soil	1	SS03 - 0'			5								x					
15:50	7/8/2025	Soil	1	SS03 - 1'			6								x					
12:53	7/8/2025	Soil	1	SS04 - 0'			7								x					
15:46	7/8/2025	Soil	1	SS04 - 1'			8								x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N														
<i>Israel Estrella</i>	7/9/25	7:11	<i>Michelle Gonzales</i>	7-9-25	6711															
<i>Michelle Gonzales</i>	7-9-25	1545	<i>Camden Briggs</i>	7-9-25	1615															
<i>Camden Briggs</i>	7-10-25	0000	<i>Caitlin Mann</i>	7-10-25	700															
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: 7/10/2025 10:06:12AM

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: 07/10/25 07:00 Work Order ID: E507088
Phone: (972) 371-5200 Date Logged In: 07/09/25 16:39 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 07/16/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E507164

Job Number: 23003-0002

Received: 7/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/23/25

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: 7/23/25

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E507164
Date Received: 7/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/16/2025 8:00:00AM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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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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: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/23/25 12:31
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E507164-01A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
BH01-1'	E507164-02A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
BH02-0'	E507164-03A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
BH02-1'	E507164-04A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
BH02-2'	E507164-05A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
BH02-3'	E507164-06A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
BH03-0'	E507164-07A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
BH03-1'	E507164-08A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH01-0'
E507164-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2529140	
Diesel Range Organics (C10-C28)	797	25.0	1	07/17/25	07/18/25	
Oil Range Organics (C28-C36)	173	50.0	1	07/17/25	07/18/25	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	07/17/25	07/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2529193	
Chloride	971	20.0	1	07/18/25	07/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH01-1'
E507164-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2529110
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2529110
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2529140
Diesel Range Organics (C10-C28)	33.3	25.0	1	07/17/25	07/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/18/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	07/17/25	07/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2529193
Chloride	1170	20.0	1	07/18/25	07/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH02-0'
E507164-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2529110
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.5 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2529110
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2529140
Diesel Range Organics (C10-C28)	135	25.0	1	07/17/25	07/18/25	
Oil Range Organics (C28-C36)	162	50.0	1	07/17/25	07/18/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	07/17/25	07/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2529193
Chloride	340	20.0	1	07/18/25	07/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH02-1'
E507164-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2529110
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.7 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2529110
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.4 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2529140
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/18/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	07/17/25	07/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2529193
Chloride	2900	20.0	1	07/18/25	07/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH02-2'
E507164-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2529140	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/18/25	
<i>Surrogate: n-Nonane</i>		93.3 %	61-141	07/17/25	07/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2529193	
Chloride	1860	20.0	1	07/18/25	07/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH02-3'

E507164-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2529140	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/18/25	
<i>Surrogate: n-Nonane</i>		92.4 %	61-141	07/17/25	07/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2529193	
Chloride	102	20.0	1	07/18/25	07/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH03-0'

E507164-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2529140	
Diesel Range Organics (C10-C28)	78.3	25.0	1	07/17/25	07/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/18/25	
<i>Surrogate: n-Nonane</i>		95.9 %	61-141	07/17/25	07/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2529193	
Chloride	379	100	5	07/18/25	07/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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BH03-1'
E507164-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Benzene	ND	0.0250	1	07/16/25	07/20/25	
Ethylbenzene	ND	0.0250	1	07/16/25	07/20/25	
Toluene	ND	0.0250	1	07/16/25	07/20/25	
o-Xylene	ND	0.0250	1	07/16/25	07/20/25	
p,m-Xylene	ND	0.0500	1	07/16/25	07/20/25	
Total Xylenes	ND	0.0250	1	07/16/25	07/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2529110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/16/25	07/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	07/16/25	07/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2529140	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/25	07/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/25	07/19/25	
<i>Surrogate: n-Nonane</i>		94.9 %	61-141	07/17/25	07/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2529193	
Chloride	1750	20.0	1	07/18/25	07/19/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2529110-BLK1)

Prepared: 07/16/25 Analyzed: 07/20/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

LCS (2529110-BS1)

Prepared: 07/16/25 Analyzed: 07/20/25

Benzene	4.69	0.0250	5.00		93.7	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.5	70-130			
Toluene	4.62	0.0250	5.00		92.3	70-130			
o-Xylene	4.60	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.8	0.0250	15.0		92.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

Matrix Spike (2529110-MS1)

Source: E507164-07

Prepared: 07/16/25 Analyzed: 07/20/25

Benzene	5.18	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.09	0.0250	5.00	ND	102	70-130			
Toluene	5.16	0.0250	5.00	ND	103	70-130			
o-Xylene	5.11	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.2	70-130			

Matrix Spike Dup (2529110-MSD1)

Source: E507164-07

Prepared: 07/16/25 Analyzed: 07/20/25

Benzene	5.27	0.0250	5.00	ND	105	70-130	1.70	27	
Ethylbenzene	5.15	0.0250	5.00	ND	103	70-130	1.05	26	
Toluene	5.21	0.0250	5.00	ND	104	70-130	1.00	20	
o-Xylene	5.16	0.0250	5.00	ND	103	70-130	0.931	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	0.797	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	0.842	26	
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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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 (2529110-BLK1)

Prepared: 07/16/25 Analyzed: 07/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

LCS (2529110-BS2)

Prepared: 07/16/25 Analyzed: 07/20/25

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matrix Spike (2529110-MS2)

Source: E507164-07

Prepared: 07/16/25 Analyzed: 07/20/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

Matrix Spike Dup (2529110-MSD2)

Source: E507164-07

Prepared: 07/16/25 Analyzed: 07/23/25

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.5	70-130	13.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2529140-BLK1)

Prepared: 07/17/25 Analyzed: 07/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.2		50.0		92.3	61-141			

LCS (2529140-BS1)

Prepared: 07/17/25 Analyzed: 07/18/25

Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	46.4		50.0		92.8	61-141			

Matrix Spike (2529140-MS1)

Source: E507150-11

Prepared: 07/17/25 Analyzed: 07/18/25

Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

Matrix Spike Dup (2529140-MSD1)

Source: E507150-11

Prepared: 07/17/25 Analyzed: 07/18/25

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156	0.818	20	
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/23/2025 12:31:31PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2529193-BLK1)

Prepared: 07/18/25 Analyzed: 07/18/25

Chloride	ND	20.0							
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LCS (2529193-BS1)

Prepared: 07/18/25 Analyzed: 07/18/25

Chloride	251	20.0	250		100	90-110			
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Matrix Spike (2529193-MS1)

Source: E507156-04

Prepared: 07/18/25 Analyzed: 07/18/25

Chloride	269	20.0	250	ND	108	80-120			
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Matrix Spike Dup (2529193-MSD1)

Source: E507156-04

Prepared: 07/18/25 Analyzed: 07/18/25

Chloride	271	20.0	250	ND	108	80-120	0.469	20	
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QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/23/25 12:31
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E507164		2303-002					X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information										Analysis and Method						EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
10:10	7/14/2025	Soil	1	BH01 - 0'		1								X		2.0				
10:29	7/14/2025	Soil	1	BH01 - 1'		2								X		1.6				
10:33	7/14/2025	Soil	1	BH02 - 0'		3								X		1.8				
10:37	7/14/2025	Soil	1	BH02 - 1'		4								X		2.6				
10:41	7/14/2025	Soil	1	BH02 - 2'		5								X		2.4				
10:47	7/14/2025	Soil	1	BH02 - 3'		6								X		2.8				
11:01	7/14/2025	Soil	1	BH03 - 0'		7								X		1.8				
11:04	7/14/2025	Soil	1	BH03 - 1'		8								X		2.3				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N								
		7/15/25		7:11				7-15-25		0711										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
		7-15-25		1730				7-15-25		1730										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
		7.15.25		2215				7-16-25		800										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/16/2025 9:31:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 07/16/25 08:00 Work Order ID: E507164
Phone: (972) 371-5200 Date Logged In: 07/15/25 16:04 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 07/23/25 17:00 (5 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E507281

Job Number: 23003-0002

Received: 7/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/30/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 7/30/25

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E507281
Date Received: 7/24/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2025 8:00:00AM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/30/25 15:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-2'	E507281-01A	Soil	07/22/25	07/24/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/30/2025 3:08:26PM
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BH03-2'
E507281-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2530159
Benzene	ND	0.0250	1	07/25/25	07/30/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/30/25	
Toluene	ND	0.0250	1	07/25/25	07/30/25	
o-Xylene	ND	0.0250	1	07/25/25	07/30/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/30/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	07/25/25	07/30/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2530159
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	07/25/25	07/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2531036
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/30/25	
<i>Surrogate: n-Nonane</i>		94.4 %	61-141	07/28/25	07/30/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2531037
Chloride	401	20.0	1	07/28/25	07/29/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/30/2025 3:08:26PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530159-BLK1)

Prepared: 07/25/25 Analyzed: 07/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.99		8.00		87.4	70-130			

LCS (2530159-BS1)

Prepared: 07/25/25 Analyzed: 07/30/25

Benzene	5.51	0.0250	5.00		110	70-130			
Ethylbenzene	5.53	0.0250	5.00		111	70-130			
Toluene	5.56	0.0250	5.00		111	70-130			
o-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

Matrix Spike (2530159-MS1)

Source: E507283-05

Prepared: 07/25/25 Analyzed: 07/30/25

Benzene	4.65	0.0250	5.00	ND	93.0	70-130			
Ethylbenzene	4.58	0.0250	5.00	ND	91.6	70-130			
Toluene	4.63	0.0250	5.00	ND	92.6	70-130			
o-Xylene	4.57	0.0250	5.00	ND	91.5	70-130			
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.8	70-130			

Matrix Spike Dup (2530159-MSD1)

Source: E507283-05

Prepared: 07/25/25 Analyzed: 07/30/25

Benzene	5.56	0.0250	5.00	ND	111	70-130	17.8	27	
Ethylbenzene	5.46	0.0250	5.00	ND	109	70-130	17.6	26	
Toluene	5.53	0.0250	5.00	ND	111	70-130	17.7	20	
o-Xylene	5.43	0.0250	5.00	ND	109	70-130	17.1	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	17.0	23	
Total Xylenes	16.4	0.0250	15.0	ND	110	70-130	17.0	26	
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/30/2025 3:08:26PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530159-BLK1)

Prepared: 07/25/25 Analyzed: 07/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

LCS (2530159-BS2)

Prepared: 07/25/25 Analyzed: 07/29/25

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

Matrix Spike (2530159-MS2)

Source: E507283-05

Prepared: 07/25/25 Analyzed: 07/30/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2530159-MSD2)

Source: E507283-05

Prepared: 07/25/25 Analyzed: 07/30/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130	4.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/30/2025 3:08:26PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531036-BLK1)

Prepared: 07/28/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.1		50.0		88.2	61-141			

LCS (2531036-BS1)

Prepared: 07/28/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	266	25.0	250		106	66-144			
Surrogate: n-Nonane	44.7		50.0		89.3	61-141			

Matrix Spike (2531036-MS1)

Source: E507279-07

Prepared: 07/28/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	44.4		50.0		88.8	61-141			

Matrix Spike Dup (2531036-MSD1)

Source: E507279-07

Prepared: 07/28/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156	1.00	20	
Surrogate: n-Nonane	43.3		50.0		86.7	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/30/2025 3:08:26PM
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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 (2531037-BLK1)

Prepared: 07/28/25 Analyzed: 07/29/25

Chloride	ND	20.0							
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LCS (2531037-BS1)

Prepared: 07/28/25 Analyzed: 07/29/25

Chloride	254	20.0	250		102	90-110			
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Matrix Spike (2531037-MS1)

Source: E507277-07

Prepared: 07/28/25 Analyzed: 07/29/25

Chloride	278	20.0	250	24.5	101	80-120			
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Matrix Spike Dup (2531037-MSD1)

Source: E507277-07

Prepared: 07/28/25 Analyzed: 07/29/25

Chloride	279	20.0	250	24.5	102	80-120	0.408	20	
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QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/30/25 15:08
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E507281		23003-0002					x	x			
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agioveno@ensolum.com																			

Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
11:35	7/22/2025	Soil	1	BH03 - 2'		1								x					

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

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

Sampled by: Israel Estrella						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: (Y) / N					
<i>Israel Estrella</i>	7/23/25	7:11	<i>Michelle Gonzales</i>	7-23-25	0711						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	7-23-25	1500	<i>Marissa Gonzales</i>	7-23-25	1500						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Marissa Gonzales</i>	7-23-25	2345	<i>Cath Mon</i>	7-24-25	800						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

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

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

Envirotech Analytical Laboratory

Printed: 7/24/2025 9:28:31AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 07/24/25 08:00 Work Order ID: E507281
Phone: (972) 371-5200 Date Logged In: 07/23/25 14:24 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 07/30/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E507298

Job Number: 23003-0002

Received: 7/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/31/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/31/25



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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E507298
Date Received: 7/25/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2025 7:45:00AM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/31/25 09:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-2'	E507298-01A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
BH01-3'	E507298-02A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:08:42AM
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BH01-2'
E507298-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.2 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2531050	
Diesel Range Organics (C10-C28)	35.4	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>						
		93.3 %	61-141	07/29/25	07/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531043	
Chloride	1220	20.0	1	07/29/25	07/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:08:42AM
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BH01-3'
E507298-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2530156
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2530156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2531050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>		92.9 %	61-141	07/29/25	07/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2531043
Chloride	148	20.0	1	07/29/25	07/29/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:08:42AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530156-BLK1)

Prepared: 07/25/25 Analyzed: 07/27/25

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	7.76		8.00		97.0	70-130			

LCS (2530156-BS1)

Prepared: 07/25/25 Analyzed: 07/27/25

Benzene	5.33	0.0250	5.00		107	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

Matrix Spike (2530156-MS1)

Source: E507277-06

Prepared: 07/25/25 Analyzed: 07/27/25

Benzene	5.31	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130			
Toluene	5.28	0.0250	5.00	ND	106	70-130			
o-Xylene	5.24	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2530156-MSD1)

Source: E507277-06

Prepared: 07/25/25 Analyzed: 07/27/25

Benzene	5.04	0.0250	5.00	ND	101	70-130	5.17	27	
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130	4.66	26	
Toluene	5.03	0.0250	5.00	ND	101	70-130	4.92	20	
o-Xylene	5.00	0.0250	5.00	ND	100	70-130	4.65	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	4.60	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	4.62	26	
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:08:42AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530156-BLK1)

Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			

LCS (2530156-BS2)

Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	57.3	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			

Matrix Spike (2530156-MS2)

Source: E507277-06

Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			

Matrix Spike Dup (2530156-MSD2)

Source: E507277-06

Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	2.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:08:42AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531050-BLK1)

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	44.1		50.0		88.2	61-141			

LCS (2531050-BS1)

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	244	25.0	250		97.5	66-144			
Surrogate: <i>n</i> -Nonane	45.0		50.0		90.0	61-141			

Matrix Spike (2531050-MS1)

Source: E507285-02

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156			
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	61-141			

Matrix Spike Dup (2531050-MSD1)

Source: E507285-02

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	1.19	20	
Surrogate: <i>n</i> -Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:08:42AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531043-BLK1)

Prepared: 07/29/25 Analyzed: 07/29/25

Chloride	ND	20.0							
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LCS (2531043-BS1)

Prepared: 07/29/25 Analyzed: 07/29/25

Chloride	254	20.0	250		102	90-110			
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Matrix Spike (2531043-MS1)

Source: E507324-02

Prepared: 07/29/25 Analyzed: 07/29/25

Chloride	256	20.0	250	ND	103	80-120			
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Matrix Spike Dup (2531043-MSD1)

Source: E507324-02

Prepared: 07/29/25 Analyzed: 07/29/25

Chloride	256	20.0	250	ND	102	80-120	0.242	20	
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QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/31/25 09:08
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information		Invoice Information		Lab Use Only		TAT		State					
Client: Matador Production Company		Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen 201H Well Pad		Address: 3122 National Parks Hwy		500298	230030002				x	x			
Project Manager: Ashley Gioveno		City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy		Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220		Email: agioveno@ensolum.com											
Phone: 575-988-0055		Miscellaneous:											
Email: agioveno@ensolum.com													

Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:20	7/23/2025	Soil	1	BH01 - 2'		1													
11:53	7/23/2025	Soil	1	BH01 - 3'		2													

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

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

Sampled by: Israel Estrella						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	7/24/25	7:11	Michelle Gonzales	7-24-25	0711	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Michelle Gonzales	7-24-25	1600	Andrew J.	7-24-25	1700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Andrew J.	7-24-25	2400	Carth Mar	7-25-25	745	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Lab Use Only
Received on ice:
 Y N

Envirotech Analytical Laboratory

Printed: 7/25/2025 11:24:02AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 07/25/25 07:45 Work Order ID: E507298
Phone: (972) 371-5200 Date Logged In: 07/24/25 15:32 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 07/31/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

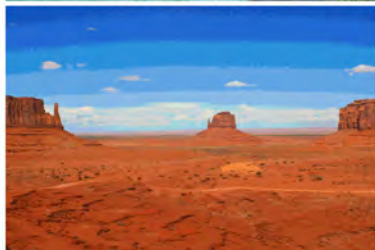
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E508165

Job Number: 23003-0002

Received: 8/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/18/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 8/18/25

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E508165
Date Received: 8/15/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/15/2025 7:30:00AM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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
Laboratory Administrator
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/18/25 14:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05-0'	E508165-01A	Soil	08/13/25	08/15/25	Glass Jar, 2 oz.
SS05-1'	E508165-02A	Soil	08/13/25	08/15/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:04:18PM
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SS05-0'

E508165-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.3 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2533119
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/15/25	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	08/15/25	08/15/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2533123
Chloride	179	20.0	1	08/15/25	08/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:04:18PM
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SS05-1'

E508165-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2533119
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/15/25	
<i>Surrogate: n-Nonane</i>		97.7 %	61-141	08/15/25	08/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2533123
Chloride	ND	20.0	1	08/15/25	08/15/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:04:18PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533121-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

LCS (2533121-BS1)

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	5.54	0.0250	5.00		111	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.47	0.0250	5.00		109	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			

Matrix Spike (2533121-MS1)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.1	70-130			
Toluene	5.10	0.0250	5.00	ND	102	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	70-130			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

Matrix Spike Dup (2533121-MSD1)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	5.14	0.0250	5.00	ND	103	70-130	0.643	27	
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	70-130	0.833	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	0.871	20	
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130	0.365	25	
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	70-130	0.720	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	0.603	26	
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:04:18PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2533121-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130		

LCS (2533121-BS2)

Prepared: 08/15/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	54.8	20.0	50.0		110	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130		

Matrix Spike (2533121-MS2)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.1	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.6	70-130		

Matrix Spike Dup (2533121-MSD2)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	1.08	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:04:18PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533119-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.1		50.0		108	61-141			

LCS (2533119-BS1)

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	232	25.0	250		92.8	66-144			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.1	61-141			

Matrix Spike (2533119-MS1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.0	61-141			

Matrix Spike Dup (2533119-MSD1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156	1.71	20	
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:04:18PM
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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 (2533123-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride	ND	20.0							
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LCS (2533123-BS1)

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride	252	20.0	250		101	90-110			
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Matrix Spike (2533123-MS1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride	255	20.0	250	ND	102	80-120			
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Matrix Spike Dup (2533123-MSD1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride	258	20.0	250	ND	103	80-120	1.29	20	
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QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/18/25 14:04
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain of Custody

Released to Imaging: 6/8/2026 11:54:15 AM

Received by OCD: 4/17/2026 8:30:04 AM

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: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E508165		23003.000Z		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	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				
12:43	8/13/2025	S	1	SS05-0'		1						X						4.0			
13:24	8/13/2025	S	1	SS05-1'		2						X						4.1			

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/14/25</u>	Time <u>7:11</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>8-14-25</u>	Time <u>0711</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>8-14-25</u>	Time <u>1445</u>	Received by: (Signature) <u>Marissa Gonzales</u>	Date <u>8-14-25</u>	Time <u>1445</u>	
Relinquished by: (Signature) <u>Marissa Gonzales</u>	Date <u>8-14-25</u>	Time <u>1840</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>8.14.25</u>	Time <u>1840</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>8.14.25</u>	Time <u>2330</u>	Received by: (Signature) <u>Caitlin [Signature]</u>	Date <u>8.15.25</u>	Time <u>730</u>	

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

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



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Envirotech Analytical Laboratory

Printed: 8/15/2025 9:15:24AM

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: 08/15/25 07:30 Work Order ID: E508165
Phone: (972) 371-5200 Date Logged In: 08/14/25 16:01 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 08/16/25 07:00 (0 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E508166

Job Number: 23003-0002

Received: 8/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/18/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 8/18/25

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E508166
Date Received: 8/15/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/15/2025 7:30:00AM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/18/25 14:05
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06-0'	E508166-01A	Soil	08/13/25	08/15/25	Glass Jar, 2 oz.
SS06-1'	E508166-02A	Soil	08/13/25	08/15/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:05:18PM
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SS06-0'

E508166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2533121	
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2533121	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2533119	
Diesel Range Organics (C10-C28)	25.7	25.0	1	08/15/25	08/15/25	T17
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/15/25	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	08/15/25	08/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2533123	
Chloride	371	20.0	1	08/15/25	08/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:05:18PM
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SS06-1'

E508166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2533119
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/15/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	08/15/25	08/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2533123
Chloride	104	20.0	1	08/15/25	08/15/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:05:18PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533121-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

LCS (2533121-BS1)

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	5.54	0.0250	5.00		111	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.47	0.0250	5.00		109	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			

Matrix Spike (2533121-MS1)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.1	70-130			
Toluene	5.10	0.0250	5.00	ND	102	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	70-130			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

Matrix Spike Dup (2533121-MSD1)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Benzene	5.14	0.0250	5.00	ND	103	70-130	0.643	27	
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	70-130	0.833	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	0.871	20	
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130	0.365	25	
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	70-130	0.720	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	0.603	26	
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:05:18PM
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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 (2533121-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

LCS (2533121-BS2)

Prepared: 08/15/25 Analyzed: 08/18/25

Gasoline Range Organics (C6-C10)	54.8	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			

Matrix Spike (2533121-MS2)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.6	70-130			

Matrix Spike Dup (2533121-MSD2)

Source: E508172-01

Prepared: 08/15/25 Analyzed: 08/15/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	1.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:05:18PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533119-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.1		50.0		108	61-141			

LCS (2533119-BS1)

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	232	25.0	250		92.8	66-144			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.1	61-141			

Matrix Spike (2533119-MS1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.0	61-141			

Matrix Spike Dup (2533119-MSD1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156	1.71	20	
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/18/2025 2:05:18PM
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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 (2533123-BLK1)

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride ND 20.0

LCS (2533123-BS1)

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride 252 20.0 250 101 90-110

Matrix Spike (2533123-MS1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride 255 20.0 250 ND 102 80-120

Matrix Spike Dup (2533123-MSD1)

Source: E508165-02

Prepared: 08/15/25 Analyzed: 08/15/25

Chloride 258 20.0 250 ND 103 80-120 1.29 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/18/25 14:05
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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

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: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E 2081166		2300.0007		X			*	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
															Compliance	Y	or	N		
															PWSID #	Remarks				
14:23	8/13/2025	S	1	SS06-0'		1						X						4.7		
15:08	8/13/2025	S	1	SS06-1'		2						X						4.3		

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/14/25</u>	Time <u>7:11</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>8.14.25</u>	Time <u>0710</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>8/14/25</u>	Time <u>1445</u>	Received by: (Signature) <u>Marissa Gonzales</u>	Date <u>8.14.25</u>	Time <u>1445</u>	
Relinquished by: (Signature) <u>Marissa Gonzales</u>	Date <u>8.14.25</u>	Time <u>1840</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>8.14.25</u>	Time <u>1840</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>8.14.25</u>	Time <u>2330</u>	Received by: (Signature) <u>Caitlin Man</u>	Date <u>8.15.25</u>	Time <u>730</u>	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____						

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

Released to Imaging: 6/8/2026 11:54:15 AM

Page 12 of 13

Received by OCD: 4/17/2026 8:30:04 AM

Page 144 of 335



Envirotech Analytical Laboratory

Printed: 8/15/2025 9:19:02AM

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: 08/15/25 07:30 Work Order ID: E508166
Phone: (972) 371-5200 Date Logged In: 08/14/25 16:10 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 08/16/25 07:00 (0 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen #201H WP

Work Order: E602049

Job Number: 23003-0002

Received: 2/4/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/11/26



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

Project Name: Bill Wilshusen #201H WP
Workorder: E602049
Date Received: 2/4/2026 11:15:23PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2026 11:15:23PM, under the Project Name: Bill Wilshusen #201H WP.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen #201H WP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/11/26 10:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03B - 0'	E602049-01A	Soil	02/04/26	02/04/26	Glass Jar, 2 oz.
SS03D - 0'	E602049-02A	Soil	02/04/26	02/04/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 10:04:04AM
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SS03B - 0'

E602049-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606104
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.9 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2606117
Diesel Range Organics (C10-C28)	573	25.0	1	02/05/26	02/07/26	
Oil Range Organics (C28-C36)	1080	50.0	1	02/05/26	02/07/26	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	02/05/26	02/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2606113
Chloride	39.3	20.0	1	02/05/26	02/05/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 10:04:04AM
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SS03D - 0'

E602049-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2606104
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2606104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606117
Diesel Range Organics (C10-C28)	747	25.0	1	02/05/26	02/07/26	
Oil Range Organics (C28-C36)	1070	50.0	1	02/05/26	02/07/26	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/05/26	02/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2606113
Chloride	6420	100	5	02/05/26	02/05/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 10:04:04AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606104-BLK1)

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

LCS (2606104-BS1)

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

Matrix Spike (2606104-MS1)

Source: E602045-08

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	5.62	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.39	0.0250	5.00	ND	108	70-130			
Toluene	5.54	0.0250	5.00	ND	111	70-130			
o-Xylene	5.45	0.0250	5.00	ND	109	70-130			
p,m-Xylene	11.0	0.0500	10.0	0.0536	109	70-130			
Total Xylenes	16.4	0.0250	15.0	0.0536	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

Matrix Spike Dup (2606104-MSD1)

Source: E602045-08

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	5.55	0.0250	5.00	ND	111	70-130	1.36	27	
Ethylbenzene	5.33	0.0250	5.00	ND	107	70-130	1.08	26	
Toluene	5.46	0.0250	5.00	ND	109	70-130	1.42	20	
o-Xylene	5.39	0.0250	5.00	ND	108	70-130	1.22	25	
p,m-Xylene	10.9	0.0500	10.0	0.0536	108	70-130	1.28	23	
Total Xylenes	16.2	0.0250	15.0	0.0536	108	70-130	1.26	26	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 10:04:04AM
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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 (2606104-BLK1)

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.2	70-130			

LCS (2606104-BS2)

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.3	70-130			

Matrix Spike (2606104-MS2)

Source: E602045-08

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	60.8	20.0	50.0	ND	122	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			

Matrix Spike Dup (2606104-MSD2)

Source: E602045-08

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	60.3	20.0	50.0	ND	121	70-130	0.804	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 10:04:04AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606117-BLK1)

Prepared: 02/05/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.1	61-141			

LCS (2606117-BS1)

Prepared: 02/05/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: <i>n</i> -Nonane	51.2		50.0		102	61-141			

Matrix Spike (2606117-MS1)

Source: E602045-09

Prepared: 02/05/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	375	25.0	250	101	109	56-156			
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	61-141			

Matrix Spike Dup (2606117-MSD1)

Source: E602045-09

Prepared: 02/05/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	395	25.0	250	101	117	56-156	5.13	20	
Surrogate: <i>n</i> -Nonane	53.7		50.0		107	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 10:04:04AM
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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 (2606113-BLK1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride ND 20.0

LCS (2606113-BS1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 261 20.0 250 104 90-110

Matrix Spike (2606113-MS1)

Source: E602045-06

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 339 20.0 250 88.7 100 80-120

Matrix Spike Dup (2606113-MSD1)

Source: E602045-06

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 346 20.0 250 88.7 103 80-120 1.87 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/11/26 10:04
---	---	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT			State					
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Bill Wilshusen #201H WP				Address: 3122 National Parks Hwy				E L02049		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	Fillet	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
750	2/4/2026	S	1	SS03B - 0'			1								X					
752	2/4/2026	S	1	SS03D - 0'			2								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Jarad McCauley																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.														
<i>Jarad McCauley</i>	2/4/26	9:11	<i>Michelle Gonzales</i>	2-4-26	0911															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
<i>Michelle Gonzales</i>	2-4-26	1545	<i>Marissa Gonzales</i>	2-4-26	1545															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
<i>Marissa Gonzales</i>	2-4-26	1950	<i>Johnny Archuleta</i>	2-4-26	1950															
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														
<i>Johnny Archuleta</i>	2-4-26	2315	<i>Noe Sob</i>	2-4-26	2315															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 2/5/2026 10:51:12AM

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: 02/04/26 23:15	Work Order ID: E602049
Phone: (972) 371-5200	Date Logged In: 02/04/26 16:58	Logged In By: Noe Soto
Email: agiovengo@ensolum.com	Due Date: 02/11/26 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

L-NS
R-NV

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen #201H WP

Work Order: E602050

Job Number: 23003-0002

Received: 2/4/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/11/26

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



Project Name: Bill Wilshusen #201H WP
Workorder: E602050
Date Received: 2/4/2026 11:15:23PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2026 11:15:23PM, under the Project Name: Bill Wilshusen #201H WP.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen #201H WP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Bill Wilshusen #201H WP

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

02/11/26 16:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A - 0'	E602050-01A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS02A - 0'	E602050-02A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS02B - 0'	E602050-03A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS02C - 0'	E602050-04A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS02D - 0'	E602050-05A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS03A - 0'	E602050-06A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS03C - 0'	E602050-07A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS03E - 0'	E602050-08A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05A - 0'	E602050-09A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05B - 0'	E602050-10A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05C - 0'	E602050-11A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05D - 0'	E602050-12A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05E - 0'	E602050-13A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05F - 0'	E602050-14A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05G - 0'	E602050-15A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS05H - 0'	E602050-16A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS06A - 0'	E602050-17A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS06B - 0'	E602050-18A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS06C - 0'	E602050-19A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS06D - 0'	E602050-20A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
SS06E - 0'	E602050-21A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
---	---	---

SS01A - 0'
E602050-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.2 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		122 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	582	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	506	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>						
		99.4 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	105	100	5	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
---	---	---

SS02A - 0'

E602050-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		123 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	391	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	649	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	435	20.0	1	02/05/26	02/05/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
---	---	---

SS02B - 0'

E602050-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		122 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	708	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	1330	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	116	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS02C - 0'

E602050-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		122 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	1150	50.0	2	02/06/26	02/10/26	
Oil Range Organics (C28-C36)	1890	100	2	02/06/26	02/10/26	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/06/26	02/10/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	937	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
---	---	---

SS02D - 0'

E602050-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.1 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		123 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	2590	500	20	02/06/26	02/11/26	
Oil Range Organics (C28-C36)	5650	1000	20	02/06/26	02/11/26	
<i>Surrogate: n-Nonane</i>						
		97.3 %	61-141	02/06/26	02/11/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	6040	100	5	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS03A - 0'

E602050-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		123 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	74.8	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	49.3	40.0	2	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS03C - 0'

E602050-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		124 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	342	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	186	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		99.5 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: TP		Batch: 2606115
Chloride	1100	200	10	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS03E - 0'

E602050-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		119 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	205	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	72.1	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	914	40.0	2	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05A - 0'

E602050-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		124 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	52.3	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	74.2	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	638	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05B - 0'

E602050-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		123 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		105 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	468	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05C - 0'

E602050-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		121 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	251	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	205	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	1180	40.0	2	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05D - 0'

E602050-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		120 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	788	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	1250	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	371	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05E - 0'

E602050-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.5 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		120 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	3370	125	5	02/06/26	02/10/26	
Oil Range Organics (C28-C36)	3710	250	5	02/06/26	02/10/26	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	02/06/26	02/10/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	752	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05F - 0'

E602050-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		120 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	835	50.0	2	02/06/26	02/10/26	
Oil Range Organics (C28-C36)	1510	100	2	02/06/26	02/10/26	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/06/26	02/10/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	27.8	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05G - 0'

E602050-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		119 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	845	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	2210	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	165	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS05H - 0'

E602050-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		120 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	2350	125	5	02/06/26	02/10/26	
Oil Range Organics (C28-C36)	2340	250	5	02/06/26	02/10/26	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/06/26	02/10/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	1430	100	5	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS06A - 0'

E602050-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		120 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	584	25.0	1	02/06/26	02/11/26	
Oil Range Organics (C28-C36)	734	50.0	1	02/06/26	02/11/26	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/06/26	02/11/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	37.4	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS06B - 0'

E602050-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		121 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	66.7	25.0	1	02/06/26	02/11/26	
Oil Range Organics (C28-C36)	105	50.0	1	02/06/26	02/11/26	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/06/26	02/11/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	70.0	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS06C - 0'

E602050-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		119 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	706	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	751	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	402	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS06D - 0'

E602050-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Benzene	ND	0.0250	1	02/05/26	02/07/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/07/26	
Toluene	ND	0.0250	1	02/05/26	02/07/26	
o-Xylene	ND	0.0250	1	02/05/26	02/07/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/07/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2606112
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		121 %	70-130	02/05/26	02/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2606133
Diesel Range Organics (C10-C28)	304	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	437	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2606115
Chloride	25.8	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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SS06E - 0'

E602050-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.3 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2606128
Diesel Range Organics (C10-C28)	1350	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	924	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2606113
Chloride	1490	20.0	1	02/05/26	02/05/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606109-BLK1)

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.37		8.00		105	70-130			

LCS (2606109-BS1)

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.87	0.0250	5.00		97.4	70-130			
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

Matrix Spike (2606109-MS1)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	4.86	0.0250	5.00	ND	97.3	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130			
Toluene	4.76	0.0250	5.00	ND	95.3	70-130			
o-Xylene	4.72	0.0250	5.00	ND	94.4	70-130			
p,m-Xylene	9.46	0.0500	10.0	ND	94.6	70-130			
Total Xylenes	14.2	0.0250	15.0	ND	94.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.35		8.00		104	70-130			

Matrix Spike Dup (2606109-MSD1)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	5.04	0.0250	5.00	ND	101	70-130	3.47	27	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	70-130	4.21	26	
Toluene	4.95	0.0250	5.00	ND	99.0	70-130	3.83	20	
o-Xylene	4.93	0.0250	5.00	ND	98.5	70-130	4.27	25	
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	70-130	4.21	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	4.23	26	
Surrogate: 4-Bromochlorobenzene-PID	8.42		8.00		105	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606112-BLK1)

Prepared: 02/05/26 Analyzed: 02/07/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

LCS (2606112-BS1)

Prepared: 02/05/26 Analyzed: 02/07/26

Benzene	4.21	0.0250	5.00		84.2	70-130			
Ethylbenzene	3.97	0.0250	5.00		79.4	70-130			
Toluene	4.16	0.0250	5.00		83.1	70-130			
o-Xylene	4.04	0.0250	5.00		80.8	70-130			
p,m-Xylene	8.13	0.0500	10.0		81.3	70-130			
Total Xylenes	12.2	0.0250	15.0		81.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike (2606112-MS1)

Source: E602050-08

Prepared: 02/05/26 Analyzed: 02/07/26

Benzene	4.36	0.0250	5.00	ND	87.2	70-130			
Ethylbenzene	4.10	0.0250	5.00	ND	82.0	70-130			
Toluene	4.30	0.0250	5.00	ND	85.9	70-130			
o-Xylene	4.14	0.0250	5.00	ND	82.8	70-130			
p,m-Xylene	8.38	0.0500	10.0	ND	83.8	70-130			
Total Xylenes	12.5	0.0250	15.0	ND	83.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2606112-MSD1)

Source: E602050-08

Prepared: 02/05/26 Analyzed: 02/07/26

Benzene	4.47	0.0250	5.00	ND	89.5	70-130	2.55	27	
Ethylbenzene	4.23	0.0250	5.00	ND	84.5	70-130	3.04	26	
Toluene	4.42	0.0250	5.00	ND	88.4	70-130	2.89	20	
o-Xylene	4.26	0.0250	5.00	ND	85.3	70-130	2.89	25	
p,m-Xylene	8.63	0.0500	10.0	ND	86.3	70-130	2.93	23	
Total Xylenes	12.9	0.0250	15.0	ND	85.9	70-130	2.92	26	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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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 (2606109-BLK1)

Prepared: 02/05/26 Analyzed: 02/06/26

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

LCS (2606109-BS2)

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

Matrix Spike (2606109-MS2)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike Dup (2606109-MSD2)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.871	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606112-BLK1)

Prepared: 02/05/26 Analyzed: 02/07/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.77		8.00		122	70-130			

LCS (2606112-BS2)

Prepared: 02/05/26 Analyzed: 02/07/26

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.77		8.00		122	70-130			

Matrix Spike (2606112-MS2)

Source: E602050-08

Prepared: 02/05/26 Analyzed: 02/07/26

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	10.0		8.00		125	70-130			

Matrix Spike Dup (2606112-MSD2)

Source: E602050-08

Prepared: 02/05/26 Analyzed: 02/07/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.1	70-130	6.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.81		8.00		123	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606128-BLK1)

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.4		50.0		101	61-141			

LCS (2606128-BS1)

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	254	25.0	250		102	66-144			
Surrogate: <i>n</i> -Nonane	51.1		50.0		102	61-141			

Matrix Spike (2606128-MS1)

Source: E602081-01

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156			
Surrogate: <i>n</i> -Nonane	54.4		50.0		109	61-141			

Matrix Spike Dup (2606128-MSD1)

Source: E602081-01

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	5.38	20	
Surrogate: <i>n</i> -Nonane	52.1		50.0		104	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606133-BLK1)

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.3		50.0		105	61-141			

LCS (2606133-BS1)

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	272	25.0	250		109	66-144			
Surrogate: <i>n</i> -Nonane	53.5		50.0		107	61-141			

Matrix Spike (2606133-MS1)

Source: E602050-06

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	340	25.0	250	74.8	106	56-156			
Surrogate: <i>n</i> -Nonane	54.1		50.0		108	61-141			

Matrix Spike Dup (2606133-MSD1)

Source: E602050-06

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	334	25.0	250	74.8	104	56-156	1.99	20	
Surrogate: <i>n</i> -Nonane	53.9		50.0		108	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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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 (2606113-BLK1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride ND 20.0

LCS (2606113-BS1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 261 20.0 250 104 90-110

Matrix Spike (2606113-MS1)

Source: E602045-06

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 339 20.0 250 88.7 100 80-120

Matrix Spike Dup (2606113-MSD1)

Source: E602045-06

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 346 20.0 250 88.7 103 80-120 1.87 20



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 4:19:14PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606115-BLK1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride ND 20.0

LCS (2606115-BS1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 257 20.0 250 103 90-110

Matrix Spike (2606115-MS1)

Source: E602050-02

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 687 20.0 250 435 101 80-120

Matrix Spike Dup (2606115-MSD1)

Source: E602050-02

Prepared: 02/05/26 Analyzed: 02/06/26

Chloride 688 20.0 250 435 101 80-120 0.0828 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/11/26 16:19
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen #201H WP				Address: 3122 National Parks Hwy				E602050		2303-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BDOC - NM	BDOC - TX	SDWA	CWA	RCRA	
																		Y	or	N
																	Compliance			
																	PWSID #			
																	Sample Temp			Remarks
943	2/3/2026	S	1	SS01A - 0'			1								X		3.1			
936	2/3/2026	S	1	SS02A - 0'			2								X		3.6			
937	2/3/2026	S	1	SS02B - 0'			3								X		2.9			
939	2/3/2026	S	1	SS02C - 0'			4								X		2.7			
942	2/3/2026	S	1	SS02D - 0'			5								X		3.3			
916	2/3/2026	S	1	SS03A - 0'			6								X		3.5			
918	2/3/2026	S	1	SS03C - 0'			7								X		3.8			
919	2/3/2026	S	1	SS03E - 0'			8								X		4.1			
926	2/3/2026	S	1	SS05A - 0'			9								X		3.6			
928	2/3/2026	S	1	SS05B - 0'			10								X		3.9			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com

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

Sampled by: Jarad McCauley

Relinquished by: (Signature) <i>Jarad McCauley</i>	Date 2/4/26	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-4-26	Time 0711	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 2-4-26	Time 1545	Received by: (Signature) <i>Marissa Gonzales</i>	Date 2-4-26	Time 1545	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 2-4-26	Time 1950	Received by: (Signature) <i>Johnny Archuleta</i>	Date 2-4-26	Time 1950	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date 2-4-26	Time 2315	Received by: (Signature) <i>Noe</i>	Date 2-4-26	Time 2315	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen #201H WP				Address: 3122 National Parks Hwy				E 602050		2308-0002					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	Flg	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 105 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
930	2/3/2026	S	1	SS05C - 0'			11								X					
933	2/3/2026	S	1	SS05D - 0'			12								X					
937	2/3/2026	S	1	SS05E - 0'			13								X					
939	2/3/2026	S	1	SS05F - 0'			14								X					
943	2/3/2026	S	1	SS05G - 0'			15								X					
944	2/3/2026	S	1	SS05H - 0'			16								X					
926	2/3/2026	S	1	SS06A - 0'			17								X					
927	2/3/2026	S	1	SS06B - 0'			18								X					
929	2/3/2026	S	1	SS06C - 0'			19								X					
931	2/3/2026	S	1	SS06D - 0'			20								X					

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

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

Sampled by: Jarad McCauley						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Jarad McCauley</i>	2/4/26	7:11	Michelle Gonzales	2-4-26	0711						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzales	2-4-26	1545	Marissa Gonzales	2-4-26	1545						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Marissa Gonzales	2-4-26	1950	Johnny Archuleta	2-4-26	1950						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Johnny Archuleta	2-4-26	2315	Noe Soto	2-4-26	2315						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

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

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

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen #201H WP				Address: 3122 National Parks Hwy				E 1002050		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BEDOC - NM	BEDOC - TX	SDWA	CWA	RCRA		
931	2/3/2026	S	1	LL SS06D - 0'										X	LL					
933	2/3/2026	S	1	SS06E - 0'		21								X		2.2				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: Jarad McCauley

Relinquished by: (Signature) <i>[Signature]</i>	Date 2/4/26	Time 7:11	Received by: (Signature) Michelle Gonzales	Date 2-4-26	Time 671	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) Michelle Gonzales	Date 2-4-26	Time 1545	Received by: (Signature) Marissa Gonzales	Date 2-4-26	Time 1545	
Relinquished by: (Signature) Marissa Gonzales	Date 2-4-26	Time 1950	Received by: (Signature) Johnny Archuleta	Date 2-4-26	Time 1950	
Relinquished by: (Signature) Johnny Archuleta	Date 2-4-26	Time 2315	Received by: (Signature) Noe [Signature]	Date 2-4-26	Time 2315	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 2/5/2026 10:52:09AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 02/04/26 23:15 Work Order ID: E602050
Phone: (972) 371-5200 Date Logged In: 02/04/26 17:10 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 02/11/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

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

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E602285

Job Number: 23003-0002

Received: 2/24/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/3/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 3/3/26

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E602285
Date Received: 2/24/2026 11:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/24/2026 11:00:00PM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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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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: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02D-0.5'	E602285-01A	Soil	02/23/26	02/24/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:23:51AM
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SS02D-0.5'

E602285-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2609083	
Benzene	ND	0.0250	1	02/25/26	02/26/26	
Ethylbenzene	ND	0.0250	1	02/25/26	02/26/26	
Toluene	ND	0.0250	1	02/25/26	02/26/26	
o-Xylene	ND	0.0250	1	02/25/26	02/26/26	
p,m-Xylene	ND	0.0500	1	02/25/26	02/26/26	
Total Xylenes	ND	0.0250	1	02/25/26	02/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2609083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/26	02/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2609106	
Diesel Range Organics (C10-C28)	104	25.0	1	02/26/26	02/27/26	
Oil Range Organics (C28-C36)	150	50.0	1	02/26/26	02/27/26	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/26/26	02/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2609100	
Chloride	2160	40.0	2	02/25/26	02/26/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:23:51AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2609083-BS1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2609083-MS1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.74	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.70	0.0250	5.00	ND	114	70-130			
o-Xylene	5.62	0.0250	5.00	0.0334	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	0.0869	112	70-130			
Total Xylenes	16.9	0.0250	15.0	0.120	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike Dup (2609083-MSD1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.48	0.0250	5.00	ND	110	70-130	4.67	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	4.91	26	
Toluene	5.42	0.0250	5.00	ND	108	70-130	5.06	20	
o-Xylene	5.35	0.0250	5.00	0.0334	106	70-130	4.95	25	
p,m-Xylene	10.8	0.0500	10.0	0.0869	107	70-130	4.77	23	
Total Xylenes	16.1	0.0250	15.0	0.120	107	70-130	4.83	26	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:23:51AM
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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 (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

LCS (2609083-BS2)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2609083-MS2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	60.5	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2609083-MSD2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	5.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:23:51AM
---	--	--

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 (2609106-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	61-141			

LCS (2609106-BS1)

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

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			

Matrix Spike (2609106-MS1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	58.5		50.0		117	61-141			

Matrix Spike Dup (2609106-MSD1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.84	20	
Surrogate: n-Nonane	56.9		50.0		114	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:23:51AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609100-BLK1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride ND 20.0

LCS (2609100-BS1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 262 20.0 250 105 90-110

Matrix Spike (2609100-MS1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 618 20.0 250 365 101 80-120

Matrix Spike Dup (2609100-MSD1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 598 20.0 250 365 93.1 80-120 3.28 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:23
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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





Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State													
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D		2D		3D		Std		NM		CO		UT		TX			
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E602285		23003-0002										x									
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220																									
Address: 3122 National Parks Hwy				Phone: 575-988-0055																									
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com																									
Phone: 575-988-0055				Miscellaneous:																									
Email: agioveno@ensolum.com																													
Sample Information										Analysis and Method								EPA Program											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks				
14:17	2/23/2026	Soil	1	5503-0.5 5502D-0.5		1																		3.3					
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																													
Sampled by: Lillian Lewis																													
Corrected sample name per CH 2/25/26 cm																													
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.													
<i>Lillian Lewis</i>				2/24/26		7:11		<i>Michelle Gonzales</i>				2/24/26		0711															
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time															
<i>Michelle Gonzales</i>				2/24/26		1500		<i>Mariaca Gonzales</i>				2/24/26		1500															
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time															
<i>Mariaca Gonzales</i>				2/24/26		1930		<i>Johnny Archuleta</i>				2/24/26		1930															
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only Received on ice: Y N													
<i>Johnny Archuleta</i>				2/24/26		2300		<i>Chris Harv</i>				2/24/26		2300															
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other														Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																													

Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E1002285		23003						x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: 575-988-0055																	
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																	
Phone: 575-988-0055				Miscellaneous:																	
Email: agiovengo@ensolum.com																					
Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
14:17	2/23/2026	Soil	1	SS03 - 0.5'		1															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Lillynn Lewis																					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.															
<i>Lillynn Lewis</i>	2/24/26	7:11	<i>Michelle Gonzales</i>	2-24-26	0711																
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																
<i>Michelle Gonzales</i>	2-24-26	1500	<i>Marissa Gonzales</i>	2-24-26	1500																
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																
<i>Marissa Gonzales</i>	2-24-26	1930	<i>Johnny Archuleta</i>	2-24-26	1930																
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N															
<i>Johnny Archuleta</i>	2-24-26	2300	<i>Carlynn</i>	2-24-26	2300																
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Envirotech Analytical Laboratory

Printed: 2/25/2026 11:07:57AM

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: 02/24/26 23:00 Work Order ID: E602285
Phone: (972) 371-5200 Date Logged In: 02/24/26 16:12 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/03/26 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

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

Comments/Resolution

Sample name did not match COC.
L-NS
R-KH

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

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: Bill Wilshusen 201H Well Pad

Work Order: E602287

Job Number: 23003-0002

Received: 2/24/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/3/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 3/3/26

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E602287
Date Received: 2/24/2026 11:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/24/2026 11:00:00PM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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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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: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 08:58
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05G-0.5'	E602287-01A	Soil	02/23/26	02/24/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 8:58:42AM
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SS05G-0.5'
E602287-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2609083
Benzene	ND	0.0250	1	02/25/26	02/26/26	
Ethylbenzene	ND	0.0250	1	02/25/26	02/26/26	
Toluene	ND	0.0250	1	02/25/26	02/26/26	
o-Xylene	ND	0.0250	1	02/25/26	02/26/26	
p,m-Xylene	ND	0.0500	1	02/25/26	02/26/26	
Total Xylenes	ND	0.0250	1	02/25/26	02/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2609083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/26	02/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2609106
Diesel Range Organics (C10-C28)	ND	25.0	1	02/26/26	02/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/26/26	02/27/26	
<i>Surrogate: n-Nonane</i>						
		112 %	61-141	02/26/26	02/27/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2609100
Chloride	763	20.0	1	02/25/26	02/26/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 8:58:42AM
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Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2609083-BS1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2609083-MS1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.74	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.70	0.0250	5.00	ND	114	70-130			
o-Xylene	5.62	0.0250	5.00	0.0334	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	0.0869	112	70-130			
Total Xylenes	16.9	0.0250	15.0	0.120	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike Dup (2609083-MSD1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.48	0.0250	5.00	ND	110	70-130	4.67	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	4.91	26	
Toluene	5.42	0.0250	5.00	ND	108	70-130	5.06	20	
o-Xylene	5.35	0.0250	5.00	0.0334	106	70-130	4.95	25	
p,m-Xylene	10.8	0.0500	10.0	0.0869	107	70-130	4.77	23	
Total Xylenes	16.1	0.0250	15.0	0.120	107	70-130	4.83	26	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 8:58:42AM
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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 (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

LCS (2609083-BS2)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2609083-MS2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	60.5	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2609083-MSD2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	5.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 8:58:42AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609106-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	52.1		50.0		104	61-141			

LCS (2609106-BS1)

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

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: <i>n-Nonane</i>	52.5		50.0		105	61-141			

Matrix Spike (2609106-MS1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: <i>n-Nonane</i>	58.5		50.0		117	61-141			

Matrix Spike Dup (2609106-MSD1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.84	20	
Surrogate: <i>n-Nonane</i>	56.9		50.0		114	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 8:58:42AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609100-BLK1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride ND 20.0

LCS (2609100-BS1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 262 20.0 250 105 90-110

Matrix Spike (2609100-MS1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 618 20.0 250 365 101 80-120

Matrix Spike Dup (2609100-MSD1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 598 20.0 250 365 93.1 80-120 3.28 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 08:58
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E60228 7		2300 3					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA				
																Compliance	Y	or	N			
																PWSID #						
																Sample Temp			Remarks			
15:45	2/23/2026	Soil	1	SS05G - 0.5'		1										x			2.8			

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

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

Relinquished by: (Signature) <i>Lillynn Lewis</i>	Date 2/24/26	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-24-26	Time 0711	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 2-24-26	Time 1500	Received by: (Signature) <i>Mariassa Gonzales</i>	Date 2-24-26	Time 1500	
Relinquished by: (Signature) <i>Mariassa Gonzales</i>	Date 2-24-26	Time 1930	Received by: (Signature) <i>Johnny Archuleta</i>	Date 2-24-26	Time 1930	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date 2-24-26	Time 2300	Received by: (Signature) <i>Caitlynn</i>	Date 2-24-26	Time 2300	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Envirotech Analytical Laboratory

Printed: 2/25/2026 11:12:17AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC.	Date Received: 02/24/26 23:00	Work Order ID: E602287
Phone: (972) 371-5200	Date Logged In: 02/24/26 16:17	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 03/03/26 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

L-NS
R-KH

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: Bill Wilshusen 201H Well Pad

Work Order: E602289

Job Number: 23003-0002

Received: 2/24/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/3/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 3/3/26

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E602289
Date Received: 2/24/2026 11:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/24/2026 11:00:00PM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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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Lynn Jarboe
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ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02C-0.5'	E602289-01A	Soil	02/23/26	02/24/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:07:41AM
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SS02C-0.5'

E602289-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2609083	
Benzene	ND	0.0250	1	02/25/26	02/26/26	
Ethylbenzene	ND	0.0250	1	02/25/26	02/26/26	
Toluene	ND	0.0250	1	02/25/26	02/26/26	
o-Xylene	ND	0.0250	1	02/25/26	02/26/26	
p,m-Xylene	ND	0.0500	1	02/25/26	02/26/26	
Total Xylenes	ND	0.0250	1	02/25/26	02/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2609083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/26	02/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2609106	
Diesel Range Organics (C10-C28)	166	25.0	1	02/26/26	02/27/26	
Oil Range Organics (C28-C36)	325	50.0	1	02/26/26	02/27/26	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/26/26	02/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2609100	
Chloride	605	20.0	1	02/25/26	02/26/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:07:41AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2609083-BS1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2609083-MS1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.74	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.70	0.0250	5.00	ND	114	70-130			
o-Xylene	5.62	0.0250	5.00	0.0334	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	0.0869	112	70-130			
Total Xylenes	16.9	0.0250	15.0	0.120	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike Dup (2609083-MSD1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.48	0.0250	5.00	ND	110	70-130	4.67	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	4.91	26	
Toluene	5.42	0.0250	5.00	ND	108	70-130	5.06	20	
o-Xylene	5.35	0.0250	5.00	0.0334	106	70-130	4.95	25	
p,m-Xylene	10.8	0.0500	10.0	0.0869	107	70-130	4.77	23	
Total Xylenes	16.1	0.0250	15.0	0.120	107	70-130	4.83	26	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:07:41AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130		

LCS (2609083-BS2)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130		

Matrix Spike (2609083-MS2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	60.5	20.0	50.0	ND	121	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130		

Matrix Spike Dup (2609083-MSD2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	5.96	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:07:41AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609106-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	61-141			

LCS (2609106-BS1)

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

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			

Matrix Spike (2609106-MS1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	58.5		50.0		117	61-141			

Matrix Spike Dup (2609106-MSD1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.84	20	
Surrogate: n-Nonane	56.9		50.0		114	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:07:41AM
---	--	--

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 (2609100-BLK1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride ND 20.0

LCS (2609100-BS1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 262 20.0 250 105 90-110

Matrix Spike (2609100-MS1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 618 20.0 250 365 101 80-120

Matrix Spike Dup (2609100-MSD1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 598 20.0 250 365 93.1 80-120 3.28 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:07
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E1002289		23003-0002						x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
15:20	2/23/2026	Soil	1	SS02C - 0.5'		1								x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Lillynn Lewis																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N													
<i>Lillynn Lewis</i>	2/24/26	7:11	<i>Michelle Gonzales</i>	2-24-26	0711														
<i>Michelle Gonzales</i>	2-24-26	1500	<i>Marissa Gonzales</i>	2-24-26	1500														
<i>Marissa Gonzales</i>	2-24-26	1930	<i>Johnny Archuleta</i>	2-24-26	1930														
<i>Johnny Archuleta</i>	2-24-26	2300	<i>Caitlynn</i>	2-24-26	2300														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 2/25/2026 11:14:09AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 02/24/26 23:00 Work Order ID: E602289
Phone: (972) 371-5200 Date Logged In: 02/24/26 16:21 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/03/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

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

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: Bill Wilshusen 201H Well Pad

Work Order: E602290

Job Number: 23003-0002

Received: 2/24/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/3/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 3/3/26

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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E602290
Date Received: 2/24/2026 11:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/24/2026 11:00:00PM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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

Field Offices:

Southern New Mexico Area

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Michelle Gonzales
Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:09
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05E-0.5'	E602290-01A	Soil	02/23/26	02/24/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:09:01AM
---	--	--

SS05E-0.5'

E602290-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2609083
Benzene	ND	0.0250	1	02/25/26	02/26/26	
Ethylbenzene	ND	0.0250	1	02/25/26	02/26/26	
Toluene	ND	0.0250	1	02/25/26	02/26/26	
o-Xylene	ND	0.0250	1	02/25/26	02/26/26	
p,m-Xylene	ND	0.0500	1	02/25/26	02/26/26	
Total Xylenes	ND	0.0250	1	02/25/26	02/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2609083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/26	02/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2609106
Diesel Range Organics (C10-C28)	63.5	25.0	1	02/26/26	02/27/26	
Oil Range Organics (C28-C36)	82.2	50.0	1	02/26/26	02/27/26	
<i>Surrogate: n-Nonane</i>		105 %	61-141	02/26/26	02/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2609100
Chloride	3220	40.0	2	02/25/26	02/26/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:09:01AM
---	--	---------------------------------

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 (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2609083-BS1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2609083-MS1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.74	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.70	0.0250	5.00	ND	114	70-130			
o-Xylene	5.62	0.0250	5.00	0.0334	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	0.0869	112	70-130			
Total Xylenes	16.9	0.0250	15.0	0.120	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike Dup (2609083-MSD1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.48	0.0250	5.00	ND	110	70-130	4.67	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	4.91	26	
Toluene	5.42	0.0250	5.00	ND	108	70-130	5.06	20	
o-Xylene	5.35	0.0250	5.00	0.0334	106	70-130	4.95	25	
p,m-Xylene	10.8	0.0500	10.0	0.0869	107	70-130	4.77	23	
Total Xylenes	16.1	0.0250	15.0	0.120	107	70-130	4.83	26	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:09:01AM
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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 (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

LCS (2609083-BS2)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2609083-MS2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	60.5	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2609083-MSD2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	5.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:09:01AM
---	--	--

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 (2609106-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	61-141			

LCS (2609106-BS1)

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

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			

Matrix Spike (2609106-MS1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	58.5		50.0		117	61-141			

Matrix Spike Dup (2609106-MSD1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.84	20	
Surrogate: n-Nonane	56.9		50.0		114	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:09:01AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609100-BLK1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride	ND	20.0							
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LCS (2609100-BS1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride	262	20.0	250		105	90-110			
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Matrix Spike (2609100-MS1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride	618	20.0	250	365	101	80-120			
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Matrix Spike Dup (2609100-MSD1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride	598	20.0	250	365	93.1	80-120	3.28	20	
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QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:09
---	--	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT			State						
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E1002290		2500-002						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																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCCQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
10:42	2/23/2026	Soil	1	SS05E - 0.5'			1														
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Lillynn Lewis																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.													
<i>Lillynn Lewis</i>		2/24/26	7:11	<i>Michelle Gonzales</i>		2-24-26	0711														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
<i>Michelle Gonzales</i>		2-24-26	1500	<i>Mariassa Gonzales</i>		2-24-26	1500														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
<i>Mariassa Gonzales</i>		2-24-26	1930	<i>Johnny Archuleta</i>		2-24-26	1930														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N													
<i>Johnny Archuleta</i>		2-24-26	2300	<i>Michelle Gonzales</i>		2-24-26	2300														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Envirotech Analytical Laboratory

Printed: 2/25/2026 11:15:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 02/24/26 23:00 Work Order ID: E602290
Phone: (972) 371-5200 Date Logged In: 02/24/26 16:23 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/03/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

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

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: Bill Wilshusen #201H WP

Work Order: E602048

Job Number: 23003-0002

Received: 2/4/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 2/11/26

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

Project Name: Bill Wilshusen #201H WP
Workorder: E602048
Date Received: 2/4/2026 11:15:23PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2026 11:15:23PM, under the Project Name: Bill Wilshusen #201H WP.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen #201H WP 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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Southern New Mexico Area

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Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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FS08 - 0.5'	12
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/11/26 07:25
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 - 0.5'	E602048-01A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS02 - 0.5'	E602048-02A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS03 - 0.5'	E602048-03A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS04 - 0.5'	E602048-04A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS05 - 0.5'	E602048-05A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS06 - 0.5'	E602048-06A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS07 - 0.5'	E602048-07A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS08 - 0.5'	E602048-08A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS09 - 0.5'	E602048-09A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS10 - 0.5'	E602048-10A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS11 - 0.5'	E602048-11A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.
FS12 - 0.5'	E602048-12A	Soil	02/03/26	02/04/26	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS01 - 0.5'

E602048-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	543	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	1130	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2606114
Chloride	1500	40.0	2	02/05/26	02/05/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS02 - 0.5'

E602048-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	235	25.0	1	02/06/26	02/09/26	
Oil Range Organics (C28-C36)	186	50.0	1	02/06/26	02/09/26	
<i>Surrogate: n-Nonane</i>		98.3 %	61-141	02/06/26	02/09/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	1430	20.0	1	02/05/26	02/05/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS03 - 0.5'

E602048-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	915	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	785	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	1480	100	5	02/05/26	02/05/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS04 - 0.5'

E602048-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	787	25.0	1	02/06/26	02/06/26	
Oil Range Organics (C28-C36)	441	50.0	1	02/06/26	02/06/26	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/06/26	02/06/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	573	200	10	02/05/26	02/05/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS05 - 0.5'

E602048-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	983	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	463	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	3400	200	10	02/05/26	02/05/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS06 - 0.5'

E602048-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	1340	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	1730	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>		102 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	3280	100	5	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS07 - 0.5'

E602048-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	402	25.0	1	02/06/26	02/09/26	
Oil Range Organics (C28-C36)	449	50.0	1	02/06/26	02/09/26	
<i>Surrogate: n-Nonane</i>						
		97.2 %	61-141	02/06/26	02/09/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	1050	40.0	2	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS08 - 0.5'

E602048-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	35.9	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	2870	40.0	2	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS09 - 0.5'

E602048-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	1140	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS10 - 0.5'

E602048-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	69.4	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	691	40.0	2	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS11 - 0.5'

E602048-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	88.3	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	54.2	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	340	20.0	1	02/05/26	02/06/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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FS12 - 0.5'

E602048-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Benzene	ND	0.0250	1	02/05/26	02/06/26	
Ethylbenzene	ND	0.0250	1	02/05/26	02/06/26	
Toluene	ND	0.0250	1	02/05/26	02/06/26	
o-Xylene	ND	0.0250	1	02/05/26	02/06/26	
p,m-Xylene	ND	0.0500	1	02/05/26	02/06/26	
Total Xylenes	ND	0.0250	1	02/05/26	02/06/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2606109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/26	02/06/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	02/05/26	02/06/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2606132
Diesel Range Organics (C10-C28)	188	25.0	1	02/06/26	02/07/26	
Oil Range Organics (C28-C36)	74.9	50.0	1	02/06/26	02/07/26	
<i>Surrogate: n-Nonane</i>		106 %	61-141	02/06/26	02/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2606114
Chloride	871	40.0	2	02/05/26	02/06/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2606109-BLK1)

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.37		8.00		105	70-130			

LCS (2606109-BS1)

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.87	0.0250	5.00		97.4	70-130			
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

Matrix Spike (2606109-MS1)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	4.86	0.0250	5.00	ND	97.3	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130			
Toluene	4.76	0.0250	5.00	ND	95.3	70-130			
o-Xylene	4.72	0.0250	5.00	ND	94.4	70-130			
p,m-Xylene	9.46	0.0500	10.0	ND	94.6	70-130			
Total Xylenes	14.2	0.0250	15.0	ND	94.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.35		8.00		104	70-130			

Matrix Spike Dup (2606109-MSD1)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Benzene	5.04	0.0250	5.00	ND	101	70-130	3.47	27	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	70-130	4.21	26	
Toluene	4.95	0.0250	5.00	ND	99.0	70-130	3.83	20	
o-Xylene	4.93	0.0250	5.00	ND	98.5	70-130	4.27	25	
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	70-130	4.21	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	4.23	26	
Surrogate: 4-Bromochlorobenzene-PID	8.42		8.00		105	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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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 (2606109-BLK1)

Prepared: 02/05/26 Analyzed: 02/06/26

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

LCS (2606109-BS2)

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

Matrix Spike (2606109-MS2)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike Dup (2606109-MSD2)

Source: E602048-11

Prepared: 02/05/26 Analyzed: 02/06/26

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.871	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2606132-BLK1)

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.0		50.0		97.9	61-141			

LCS (2606132-BS1)

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	272	25.0	250		109	66-144			
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.3	61-141			

Matrix Spike (2606132-MS1)

Source: E602048-08

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	294	25.0	250	35.9	103	56-156			
Surrogate: <i>n</i> -Nonane	51.0		50.0		102	61-141			

Matrix Spike Dup (2606132-MSD1)

Source: E602048-08

Prepared: 02/06/26 Analyzed: 02/06/26

Diesel Range Organics (C10-C28)	287	25.0	250	35.9	100	56-156	2.46	20	
Surrogate: <i>n</i> -Nonane	49.9		50.0		99.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/11/2026 7:25:59AM
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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 (2606114-BLK1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride ND 20.0

LCS (2606114-BS1)

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 264 20.0 250 106 90-110

Matrix Spike (2606114-MS1)

Source: E602048-04

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 806 200 250 573 93.2 80-120

Matrix Spike Dup (2606114-MSD1)

Source: E602048-04

Prepared: 02/05/26 Analyzed: 02/05/26

Chloride 811 200 250 573 95.4 80-120 0.683 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen #201H WP Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/11/26 07:25
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen #201H WP				Address: 3122 National Parks Hwy				E602048		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 106 - TX	RCRA 8 Metals	BEDOC - NM	BEDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1024	2/3/2026	S	1	FS01 - 0.5'		1								X		4.3			
1040	2/3/2026	S	1	FS02 - 0.5'		2								X		3.9			
1050	2/3/2026	S	1	FS03 - 0.5'		3								X		3.6			
1051	2/3/2026	S	1	FS04 - 0.5'		4								X		4.0			
1052	2/3/2026	S	1	FS05 - 0.5'		5								X		4.1			
1049	2/3/2026	S	1	FS06 - 0.5'		6								X		3.6			
1157	2/3/2026	S	1	FS07 - 0.5'		7								X		3.8			
1043	2/3/2026	S	1	FS08 - 0.5'		8								X		3.6			
1045	2/3/2026	S	1	FS09 - 0.5'		9								X		3.7			
1234	2/3/2026	S	1	FS10 - 0.5'		10								X		3.9			

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

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

Sampled by: Jarad McCauley

Relinquished by: (Signature) <i>Jarad McCauley</i>	Date 2/4/26	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-4-26	Time 0711	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 2-4-26	Time 1545	Received by: (Signature) <i>Marissa Gonzales</i>	Date 2-4-26	Time 1545	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 2-4-26	Time 1950	Received by: (Signature) <i>Johnny Archuleta</i>	Date 2-4-26	Time 1950	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date 2-4-26	Time 2315	Received by: (Signature) <i>Joe Sob</i>	Date 2-4-26	Time 2315	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: 0/N

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

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

Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Bill Wilshusen #201H WP				Address: 3122 National Parks Hwy				E 1002048		2308-0002					X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: 575-988-0055																	
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																	
Phone: 575-988-0055				Miscellaneous:																	
Email: agiovengo@ensolum.com																					

Sample Information					Analysis and Method										EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BEGOC - NM	BEGOC - TX	SDWA	CWA	RCRA			
																	Compliance	Y	or	N	
																	PWSID #				
																	Sample Temp			Remarks	
1047	2/3/2026	S	1	FS11 - 0.5'		11									X					4.2	
1048	2/3/2026	S	1	FS12 - 0.5'		12									X					4.4	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: Jarad McCauley

Relinquished by: (Signature) <i>[Signature]</i>	Date 2/4/26	Time 7:11	Received by: (Signature) Michelle Gonzales	Date 2-4-26	Time 0711	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) Michelle Gonzales	Date 2-4-26	Time 1545	Received by: (Signature) Marissa Gonzales	Date 2-4-26	Time 1545	
Relinquished by: (Signature) Marissa Gonzales	Date 2-4-26	Time 1950	Received by: (Signature) Johnny Archuleta	Date 2-4-26	Time 1950	
Relinquished by: (Signature) Johnny Archuleta	Date 2-4-26	Time 2315	Received by: (Signature) Noe Soto	Date 2-4-26	Time 2315	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 2/5/2026 10:50:07AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 02/04/26 23:15 Work Order ID: E602048
Phone: (972) 371-5200 Date Logged In: 02/04/26 16:54 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 02/11/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

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

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E602286

Job Number: 23003-0002

Received: 2/24/2026

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/5/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/5/26



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

Project Name: Bill Wilshusen 201H Well Pad
Workorder: E602286
Date Received: 2/24/2026 11:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/24/2026 11:00:00PM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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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mgonzales@envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/05/26 12:36
--	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0.5-1'	E602286-01A	Soil	02/23/26	02/24/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/5/2026 12:36:55PM
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SW01-0.5-1'

E602286-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2609083
Benzene	ND	0.0250	1	02/25/26	02/26/26	
Ethylbenzene	ND	0.0250	1	02/25/26	02/26/26	
Toluene	ND	0.0250	1	02/25/26	02/26/26	
o-Xylene	ND	0.0250	1	02/25/26	02/26/26	
p,m-Xylene	ND	0.0500	1	02/25/26	02/26/26	
Total Xylenes	ND	0.0250	1	02/25/26	02/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2609083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/26	02/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2609106
Diesel Range Organics (C10-C28)	34.6	25.0	1	02/26/26	02/27/26	
Oil Range Organics (C28-C36)	64.0	50.0	1	02/26/26	02/27/26	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/26/26	02/27/26	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2609100
Chloride	707	20.0	1	02/25/26	02/26/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/5/2026 12:36:55PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2609083-BS1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2609083-MS1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.74	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.70	0.0250	5.00	ND	114	70-130			
o-Xylene	5.62	0.0250	5.00	0.0334	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	0.0869	112	70-130			
Total Xylenes	16.9	0.0250	15.0	0.120	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike Dup (2609083-MSD1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.48	0.0250	5.00	ND	110	70-130	4.67	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	4.91	26	
Toluene	5.42	0.0250	5.00	ND	108	70-130	5.06	20	
o-Xylene	5.35	0.0250	5.00	0.0334	106	70-130	4.95	25	
p,m-Xylene	10.8	0.0500	10.0	0.0869	107	70-130	4.77	23	
Total Xylenes	16.1	0.0250	15.0	0.120	107	70-130	4.83	26	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/5/2026 12:36:55PM
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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 (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

LCS (2609083-BS2)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2609083-MS2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	60.5	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2609083-MSD2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	5.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/5/2026 12:36:55PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609106-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	52.1		50.0		104	61-141			

LCS (2609106-BS1)

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

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: <i>n-Nonane</i>	52.5		50.0		105	61-141			

Matrix Spike (2609106-MS1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: <i>n-Nonane</i>	58.5		50.0		117	61-141			

Matrix Spike Dup (2609106-MSD1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.84	20	
Surrogate: <i>n-Nonane</i>	56.9		50.0		114	61-141			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/5/2026 12:36:55PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609100-BLK1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride ND 20.0

LCS (2609100-BS1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 262 20.0 250 105 90-110

Matrix Spike (2609100-MS1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 618 20.0 250 365 101 80-120

Matrix Spike Dup (2609100-MSD1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 598 20.0 250 365 93.1 80-120 3.28 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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/05/26 12:36
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E602286		23003-0002					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA				
10:12	2/23/2026	Soil	1	SW06 - 0-1'		1								x								

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

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

Sampled by: Lillynn Lewis										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N											
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)											Date	Time
<i>Lillynn Lewis</i>	2/24/26	7:11	<i>Michelle Gonzales</i>	2-24-26	6:11	<i>Michelle Gonzales</i>	2-24-26	1500	<i>Marissa Gonzales</i>											2-24-26	1500
<i>Michelle Gonzales</i>	2-24-26	1500	<i>Marissa Gonzales</i>	2-24-26	1930	<i>Johnny Archuleta</i>	2-24-26	2300	<i>Caitlin Mar</i>											2-24-26	2300
<i>Marissa Gonzales</i>	2-24-26	1930	<i>Johnny Archuleta</i>	2-24-26	2300	<i>Caitlin Mar</i>	2-24-26	2300													

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

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

Envirotech Analytical Laboratory

Printed: 2/25/2026 11:10:58AM

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: 02/24/26 23:00 Work Order ID: E602286
Phone: (972) 371-5200 Date Logged In: 02/24/26 16:15 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/03/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

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

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

Date



envirotech Inc.



Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E602286		23003-002					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
10:12	2/23/2026	Soil	1	SW06-0-1 SW01-0.5-1'		1								x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, champton@ensolum.com, bmoir@ensolum.com																			
Corrected Sample Name per CH 3/5/26 CM																			
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: Lillynn Lewis																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.											
<i>Lillynn Lewis</i>		2/24/26	7:11	<i>Michelle Gonzales</i>		2/24/26	0711												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
<i>Michelle Gonzales</i>		2-24-26	1500	<i>Marissa Gonzales</i>		2-24-26	1500												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <i>Y/N</i>											
<i>Marissa Gonzales</i>		2-24-26	1930	<i>Johnny Archuleta</i>		2-24-26	1930												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
<i>Johnny Archuleta</i>		2-24-26	2300	<i>Carli H. Mora</i>		2-24-26	2300												
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.																			

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E602288

Job Number: 23003-0002

Received: 2/24/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/3/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/3/26

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



Project Name: Bill Wilshusen 201H Well Pad
Workorder: E602288
Date Received: 2/24/2026 11:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/24/2026 11:00:00PM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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

Field Offices:

Southern New Mexico Area

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Cell: 505-320-4759
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Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS06-1'	E602288-01A	Soil	02/23/26	02/24/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:06:18AM
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FS06-1'

E602288-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2609083
Benzene	ND	0.0250	1	02/25/26	02/26/26	
Ethylbenzene	ND	0.0250	1	02/25/26	02/26/26	
Toluene	ND	0.0250	1	02/25/26	02/26/26	
o-Xylene	ND	0.0250	1	02/25/26	02/26/26	
p,m-Xylene	ND	0.0500	1	02/25/26	02/26/26	
Total Xylenes	ND	0.0250	1	02/25/26	02/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2609083
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/26	02/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	02/25/26	02/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2609106
Diesel Range Organics (C10-C28)	126	25.0	1	02/26/26	02/27/26	
Oil Range Organics (C28-C36)	103	50.0	1	02/26/26	02/27/26	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/26/26	02/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2609100
Chloride	1770	20.0	1	02/25/26	02/26/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:06:18AM
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Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2609083-BS1)

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2609083-MS1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.74	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.70	0.0250	5.00	ND	114	70-130			
o-Xylene	5.62	0.0250	5.00	0.0334	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	0.0869	112	70-130			
Total Xylenes	16.9	0.0250	15.0	0.120	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike Dup (2609083-MSD1)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Benzene	5.48	0.0250	5.00	ND	110	70-130	4.67	27	
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130	4.91	26	
Toluene	5.42	0.0250	5.00	ND	108	70-130	5.06	20	
o-Xylene	5.35	0.0250	5.00	0.0334	106	70-130	4.95	25	
p,m-Xylene	10.8	0.0500	10.0	0.0869	107	70-130	4.77	23	
Total Xylenes	16.1	0.0250	15.0	0.120	107	70-130	4.83	26	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:06:18AM
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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 (2609083-BLK1)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

LCS (2609083-BS2)

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2609083-MS2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	60.5	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2609083-MSD2)

Source: E602282-06

Prepared: 02/25/26 Analyzed: 02/27/26

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	5.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:06:18AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609106-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	61-141			

LCS (2609106-BS1)

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

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			

Matrix Spike (2609106-MS1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	58.5		50.0		117	61-141			

Matrix Spike Dup (2609106-MSD1)

Source: E602282-01

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

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.84	20	
Surrogate: n-Nonane	56.9		50.0		114	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/3/2026 9:06:18AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2609100-BLK1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride ND 20.0

LCS (2609100-BS1)

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 262 20.0 250 105 90-110

Matrix Spike (2609100-MS1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 618 20.0 250 365 101 80-120

Matrix Spike Dup (2609100-MSD1)

Source: E602281-10

Prepared: 02/25/26 Analyzed: 02/26/26

Chloride 598 20.0 250 365 93.1 80-120 3.28 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/03/26 09:06
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E602288		230030002						x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	
10:10	2/23/2026	Soil	1	FS06 - 1'			1																	

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

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

Relinquished by: (Signature) <i>Lillynn Lewis</i>	Date 2/24/26	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-24-26	Time 0711	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 2-24-26	Time 1500	Received by: (Signature) <i>Marissa Gonzales</i>	Date 2-24-26	Time 1500	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 2-24-26	Time 1930	Received by: (Signature) <i>Johnny Archuleta</i>	Date 2-24-26	Time 1930	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date 2-24-26	Time 2300	Received by: (Signature) <i>Christina</i>	Date 2-24-26	Time 2300	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Envirotech Analytical Laboratory

Printed: 2/25/2026 11:13:10AM

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: 02/24/26 23:00 Work Order ID: E602288
Phone: (972) 371-5200 Date Logged In: 02/24/26 16:20 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/03/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for client instruction.

Comments/Resolution

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

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 Production Company

Project Name: Bill Wilshusen 201H Well Pad

Work Order: E603281

Job Number: 23003-0002

Received: 3/25/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/31/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/31/26

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



Project Name: Bill Wilshusen 201H Well Pad
Workorder: E603281
Date Received: 3/25/2026 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2026 7:15:00AM, under the Project Name: Bill Wilshusen 201H Well Pad.

The analytical test results summarized in this report with the Project Name: Bill Wilshusen 201H 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
Laboratory Administrator
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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/31/26 07:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05H-0.5'	E603281-01A	Soil	03/20/26	03/25/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:07:40AM
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SS05H-0.5'

E603281-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613066
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.3 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613066
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.9 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613090
Diesel Range Organics (C10-C28)	81.3	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	816	40.0	2	03/25/26	03/25/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:07:40AM
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Volatile Organics by EPA 8021B

Analyst: MB

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

Blank (2613066-BLK1)

Prepared: 03/25/26 Analyzed: 03/25/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

LCS (2613066-BS1)

Prepared: 03/25/26 Analyzed: 03/26/26

Benzene	4.04	0.0250	5.00		80.8	70-130			
Ethylbenzene	3.86	0.0250	5.00		77.3	70-130			
Toluene	3.99	0.0250	5.00		79.9	70-130			
o-Xylene	3.95	0.0250	5.00		78.9	70-130			
p,m-Xylene	7.96	0.0500	10.0		79.6	70-130			
Total Xylenes	11.9	0.0250	15.0		79.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.3	70-130			

Matrix Spike (2613066-MS1)

Source: E603283-01

Prepared: 03/25/26 Analyzed: 03/26/26

Benzene	4.54	0.0250	5.00	ND	90.8	70-130			
Ethylbenzene	4.35	0.0250	5.00	ND	87.1	70-130			
Toluene	4.51	0.0250	5.00	ND	90.1	70-130			
o-Xylene	4.44	0.0250	5.00	ND	88.9	70-130			
p,m-Xylene	8.93	0.0500	10.0	ND	89.3	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike Dup (2613066-MSD1)

Source: E603283-01

Prepared: 03/25/26 Analyzed: 03/26/26

Benzene	4.19	0.0250	5.00	ND	83.7	70-130	8.09	27	
Ethylbenzene	4.01	0.0250	5.00	ND	80.2	70-130	8.18	26	
Toluene	4.15	0.0250	5.00	ND	82.9	70-130	8.36	20	
o-Xylene	4.09	0.0250	5.00	ND	81.7	70-130	8.36	25	
p,m-Xylene	8.25	0.0500	10.0	ND	82.5	70-130	7.86	23	
Total Xylenes	12.3	0.0250	15.0	ND	82.3	70-130	8.02	26	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:07:40AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613066-BLK1)

Prepared: 03/25/26 Analyzed: 03/25/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		101	70-130			

LCS (2613066-BS2)

Prepared: 03/25/26 Analyzed: 03/26/26

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.15		8.00		102	70-130			

Matrix Spike (2613066-MS2)

Source: E603283-01

Prepared: 03/25/26 Analyzed: 03/26/26

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2613066-MSD2)

Source: E603283-01

Prepared: 03/25/26 Analyzed: 03/26/26

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.8	70-130	5.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:07:40AM
--	--	---

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613090-BLK1)

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			

LCS (2613090-BS1)

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	48.4		50.0		96.7	61-141			

Matrix Spike (2613090-MS1)

Source: E603277-22

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	51.0		50.0		102	61-141			

Matrix Spike Dup (2613090-MSD1)

Source: E603277-22

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	1.40	20	
Surrogate: n-Nonane	50.9		50.0		102	61-141			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:07:40AM
--	--	---

Anions by EPA 300.0/9056A

Analyst: RAS

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 (2613086-BLK1)

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	ND	20.0							
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LCS (2613086-BS1)

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	270	20.0	250		108	90-110			
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Matrix Spike (2613086-MS1)

Source: E603285-04

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	1770	40.0	250	1720	20.4	80-120			M2
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Matrix Spike Dup (2613086-MSD1)

Source: E603285-04

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	1970	40.0	250	1720	97.7	80-120	10.3	20	
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QC Summary Report Comment:

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



Definitions and Notes

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Bill Wilshusen 201H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/31/26 07:07
--	--	------------------------------------

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Bill Wilshusen 201H Well Pad				Address: 3122 National Parks Hwy				E603281		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	TCQL1005 - TX	RCRA & Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:06	3/20/2026	S	1	SS05H - 0.5'			1								X					

Additional Instructions: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, jhinkle@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com, akone@ensolum.com

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

Relinquished by: (Signature)						Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y/N			
Date						5/23/26	.							
Relinquished by: (Signature)						Date	Time	Received by: (Signature)	Date	Time				
Date						3-24-26	1300							
Relinquished by: (Signature)						Date	Time	Received by: (Signature)	Date	Time				
Date						3-24-26	1645							
Relinquished by: (Signature)						Date	Time	Received by: (Signature)	Date	Time				
Date						3-24-26	2115							
Relinquished by: (Signature)						Date	Time	Received by: (Signature)	Date	Time				

Sample Matrix: S - Soil, Sl - 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: 3/25/2026 8:24:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Production Company Date Received: 03/25/26 07:15 Work Order ID: E603281
Phone: (972) 371-5200 Date Logged In: 03/24/26 15:34 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/31/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

L-NS
R-CM

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

[Empty box for client instruction]

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

Date



envirotech Inc.



APPENDIX F

NMOCD Correspondence

From: [Velez, Nelson, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Arsenio Jones](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)
Subject: Re: [EXTERNAL] Extension Request - Matador Production Company - Bill Wilshusen 201H Well Pad - Incident Number nAPP2506233274
Date: Friday, May 30, 2025 10:02:21 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Outlook-xg0rshbd.png](#)

[****EXTERNAL EMAIL****]

Good morning Chad,

Thank you for the correspondence. Your 90-day time extension request is approved. Remediation Due date has been updated to September 2, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have a safe and enjoyable weekend!

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, May 30, 2025 8:57 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Matador Production Company - Bill Wilshusen 201H Well Pad - Incident Number nAPP2506233274

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Friday, May 30, 2025 8:43 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Bill Wilshusen 201H Well Pad - Incident Number nAPP2506233274

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

All,

Matador Production Company (Matador) is requesting an extension of the current deadline of June 2, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Bill Wilshusen 201H Well Pad (Site) (Incident Number nAPP2506233274). The release occurred on March 3, 2025, and approximately 10 barrels (bbls) of drilling mud were released on pad; 9 bbls were recovered. Due to ongoing completion operations, Matador has been unable to investigate lateral and vertical delineation or remediate potentially impacted soil in accordance with the strictest Closure Criteria per NMOCD Table I. Matador intends to submit a remediation work plan or closure report after completing excavation of the subject matter release and upon receiving final laboratory analytical results from confirmation sampling activities. Matador respectfully requests an extension until August 28, 2025.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC



From: [Velez, Nelson, EMNRD](#)
To: [Chad Hamilton](#); [Enviro, OCD, EMNRD](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#)
Subject: Re: [EXTERNAL] Extension Request - Matador Production Company - Bill Wilshusen 201H Well Pad - nAPP2506233274
Date: Wednesday, September 3, 2025 7:40:58 AM
Attachments: [image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)
[Outlook-2ehys1kd.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

Thank you for your inquiry. Due to activities outside of the control of Matador, your 90-day time extension is approved. Remediation Due date has been updated to December 1, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, September 2, 2025 2:52 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Bill Wilshusen 201H Well Pad - nAPP2506233274

Mr. Velez,

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador) respectfully requests a reconsideration of the denial for a 90-day extension of the current deadline of September 2, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Bill Wilshusen 201H Well Pad (Site) (Incident Number nAPP2506233274). Ensolum submitted an initial extension request on May 30, 2025, due to ongoing completions operations at the Site. Completion operations were concluded on July 8, 2025, at which point Ensolum personnel began delineation soil sampling at the Site. Lateral and vertical delineation of the subject matter release was completed on August 13, 2025. On August 22, 2025, Southwest Geophysical Consulting, LLC (Southwest Geophysical) was contracted to perform a karst survey at the Site. Southwest Geophysical will be onsite beginning on September 8, 2025, under the supervision of Dave Decker, to complete field activities for the geophysical portion of the karst survey. Once the geophysical karst survey for the Site has been completed, Matador intends to begin excavation of the subject matter release. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until December 1, 2025. Please let me know if you have any further questions regarding this site.

Thanks,

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Tuesday, September 2, 2025 1:21 PM

To: Chad Hamilton <chamilton@ensolum.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>

Subject: Re: [EXTERNAL] Extension Request - Matador Production Company - Bill Wilshusen 201H Well Pad - nAPP2506233274

[**EXTERNAL EMAIL**]

Chad,

Thank you for the correspondence. Your request for a 90-day time extension has been denied. Submit your site assessment/remediation plan or remediation closure report as soon as possible. Matador may be subject to enforcement action, which may include civil penalties. In the event civil penalties are levied, they may be incurred daily, commencing the first date of the infraction.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, September 2, 2025 10:46 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Bill Wilshusen 201H Well Pad - nAPP2506233274

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

Hello all,

Matador Production Company (Matador) is requesting an extension of the current deadline of September 2, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Bill Wilshusen 201H Well Pad (Site) (Incident Number nAPP2506233274). The release occurred on March 3, 2025, and 10 barrels (bbls) of drilling mud were released onto the pad surface; 9 bbls of drilling mud were recovered. The release impacted an area on-pad approximately 2,224 sq ft (square feet) in size on Federal Land managed by the Bureau of Land Management (BLM). Lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site. Excavation of the subject matter release will begin once Matador has selected a subcontractor for excavation activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until December 1, 2025. Please let me know if you have any further questions regarding this site.

Thanks



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 438141

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438141
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Bill Wilshusen 201H Well Pad
Date Release Discovered	03/03/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<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	Not answered.
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	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Drilling Mud/Fluid Released: 10 BBL Recovered: 9 BBL Lost: 1 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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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 438141

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438141
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

ACKNOWLEDGMENTS

Action 438141

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438141
	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.

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 438141

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438141
	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.	3/3/2025

Impacted Soil On-Pad	
Saturated Soil (inches)	
	0.2
Area (sq. ft.)	
	2333
Standing fluids	
inches of standing fluid	
	1
bbl estimate of standing fluids	
barrels recovered (if known)	
	9
Soil type	
	pad caliche
Spill type	
	oil(crude)
Barrel estimate in soil	
	0.9
Barrel estimate (standing fluids/ recovered+in soil)	
	9.9

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

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 438304

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438304
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2506233274
Incident Name	NAPP2506233274 BILL WILSHUSEN 201H WELL PAD @ 0
Incident Type	Release Other
Incident Status	Initial C-141 Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Bill Wilshusen 201H Well Pad
Date Release Discovered	03/03/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<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	Not answered.
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	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Drilling Mud/Fluid Released: 10 BBL Recovered: 9 BBL Lost: 1 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 438304

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438304
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

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

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QUESTIONS, Page 3

Action 438304

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438304
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 438304

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438304
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	3/4/2025

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QUESTIONS

Action 547950

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 547950
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2506233274
Incident Name	NAPP2506233274 BILL WILSHUSEN 201H WELL PAD @ H-22-21S-27E
Incident Type	Release Other
Incident Status	Remediation Plan Received

Location of Release Source	
Site Name	BILL WILSHUSEN 201H WELL PAD
Date Release Discovered	03/03/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,344
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/03/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.46782,-104.1702

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CONDITIONS

Action 547950

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 547950
	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.	1/29/2026
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	1/29/2026

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QUESTIONS

Action 547952

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 547952
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2506233274
Incident Name	NAPP2506233274 BILL WILSHUSEN 201H WELL PAD @ H-22-21S-27E
Incident Type	Release Other
Incident Status	Remediation Plan Received

Location of Release Source	
Site Name	BILL WILSHUSEN 201H WELL PAD
Date Release Discovered	03/03/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,344
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.46782,-104.1702

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CONDITIONS

Action 547952

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 547952
	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.	1/29/2026
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	1/29/2026

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QUESTIONS

Action 576588

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2506233274
Incident Name	NAPP2506233274 BILL WILSHUSEN 201H WELL PAD @ H-22-21S-27E
Incident Type	Release Other
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	BILL WILSHUSEN 201H WELL PAD
Date Release Discovered	03/03/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<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	Not answered.
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	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Drilling Mud/Fluid Released: 10 BBL Recovered: 9 BBL Lost: 1 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 576588

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/17/2026
--	--

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QUESTIONS, Page 3

Action 576588

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	6420
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2345
GRO+DRO (EPA SW-846 Method 8015M)	835
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	02/03/2026
On what date will (or did) the final sampling or liner inspection occur	02/20/2026
On what date will (or was) the remediation complete(d)	03/20/2026
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	3265
What is the estimated volume (in cubic yards) that will be remediated	92

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 576588

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea land
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/17/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 576588

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	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 576588

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	563127
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/20/2026
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

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	3265
What was the total volume (cubic yards) remediated	92
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)	The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS06, and laterally defined in accordance with the Site Closure Criteria by delineation soil samples SS02A through SS02D, SS03A through SS03E, SS05A through SS05H, and SS06A through SS06E, collected at ground surface, and vertically by boreholes BH01 through BH03, collected at depths ranging from 2 feet to 3 feet bgs. Excavation of impacted soil was completed, and excavation floor samples (FS01 through FS12, collected at depths ranging from 0.5 feet to 1-foot bgs, and sidewall sample SW01, collected from 0.5 feet to 1-foot bgs, were all in compliance with the Site Closure Criteria.
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The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/17/2026
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 576588

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 576588

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 576588
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	6/8/2026
nvez	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.	6/8/2026