



January 10, 2024

**New Mexico Energy Minerals and Natural Resources Department**

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

**Re: Deferral Request  
Dr. Scrivner Fed Com TB  
Incident Number nAPP2323063169  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* to document excavation and soil sampling activities at the Dr. Scrivner Fed Com TB (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Deferral Request*, describing Site assessment activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2323063169 until the Site is reconstructed and/or the well pad is plugged and abandoned and the deferral area is safely accessible.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in in Unit P, Section 01, Township 24 South, Range 28 East, in Eddy County, New Mexico (32.24305°, -104.03460°) and is associated with oil and gas exploration and production operations Private Land.

On August 17, 2023, produced water was released due to the corrosion of a separator water dump valve, resulting in the release of approximately 22.48 barrels (bbls) of produced water onto the pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 10 bbls of released produced water were recovered. Matador submitted a Release Notification Form C-141 (Form C-141) on August 18, 2023, to the New Mexico Oil Conservation Division (NMOCD). The release was assigned Incident Number nAPP2323063169.

**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 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 02184 located 2,323 feet to the west of the Site with a reported depth

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to water measurement of 60 feet below ground surface (bgs). NMOSE well C 02184 was completed in 1989 and is 2,970 feet above mean sea level (amsl). NMOSE well C-03862 POD 5 was completed in 2015 and is 5,280 feet to the west of the Site and within 200 feet of the Pecos River. NMOSE Well C-03862 has a reported depth to groundwater measurement of 10 feet bgs and is approximately 57 feet lower in elevation than the Site at 2,929 feet amsl. On December 20, 2023, Atkins Engineering and Associates (Atkins) completed a single borehole at the Site with a terminal depth of 16 feet bgs which is 2,986 amsl. Atkins did not encounter water at depths shallower than 16 feet bgs, supporting regional depth to groundwater measurements at NMOSE well location C 02184. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 1,478 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Potential site receptors are identified in Figure 1.

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

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

## DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on August 1, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. On August 23, 2023, Ensolum personnel returned to collect four delineation soil samples (SS01 through SS04) around the release extent to assess the lateral extent of soil at surface. Ensolum personnel returned to the Site on September 5, 2023, to collect lateral delineation soil samples SS01A and SS02A and September 29, 2023, and December 20, 2023, to complete vertical soil borehole advancement via auger drilling rig inside the release extent. Ensolum personnel achieved a terminal depth of 1-foot bgs in borehole location BH01 before refusal and vertical delineation to a depth of 16 feet bgs was achieved in borehole location BH02, which it should be noted groundwater was not encountered in borehole BH16.

Delineation soil samples were field screened for chloride utilizing Hach® chloride QuanTab® test strips, and TPH utilizing PetroFLAG® soil reagents. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was collected and a photographic log is included in Appendix C.

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

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Laboratory analytical results from delineation soil samples SS01 and SS02 failed to comply with the strictest criteria per NMOCD Table I and were recollected in the vicinity to verify that COC concentrations did not exceed the strictest criteria. Laboratory analytical results from delineation soil samples SS01A, SS02A, SS03 and SS04 were in compliance with the Site Closure Criteria and with the strictest criteria per NMOCD Table I. Laboratory analytical results from borehole BH02 indicated all COC concentrations in soil at depths at or greater than 14 feet bgs were all in compliance with the Site Closure Criteria; however, chloride concentrations soil at the surface through 10 feet bgs exceeded the Closure Criteria. Field screening would suggest chloride concentrations in soil from borehole BH02 were decreasing after 10 feet bgs and could have potentially been in compliance before 14 feet bgs.

The estimated area of impacted soil measures approximately 1,402 square feet and assuming a depth of 14 feet based on the analytical results for delineation borehole BH02@14' a total of approximately 572 to 726 cubic yards of impacted soil remains in place. The impacted area is located directly beneath a row of six horizontal separators that are spaced approximately 3 feet apart. There is only one point of access for the spill area and it is located between the row of separators and a row of compressors with a maximum width of 11 feet (see Figure 1). Large mechanical equipment will not fit in between the row separators and compressors and process piping prevents access to the spill area from the west, south and north. A layer of well indurated caliche rock is located directly beneath the pad caliche making excavation without the use of heavy equipment impossible. The deferral area and borehole location are depicted in Figure 2.

## DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment and process piping preventing full excavation of impacted soil. The impacted soil is limited to the area beneath production equipment and surface piping, where remediation would require a major facility deconstruction. The impacted soil remaining in place is laterally defined by delineation soil samples SS01 through SS04 at ground surface and vertically defined by borehole sample BH02@14'.

Laboratory analytical results indicated delineation soil samples are all below the Closure Criteria for the Site except BH01 where refusal was hit due to a rock layer at 1-foot bgs.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be approximately 60 feet bgs. The entirety of the release remained on pad.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2323063169 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,  
**Ensolum, LLC**



Ashley Giovengo  
Senior Engineer



Daniel R. Moir, PG  
Senior Managing Geologist



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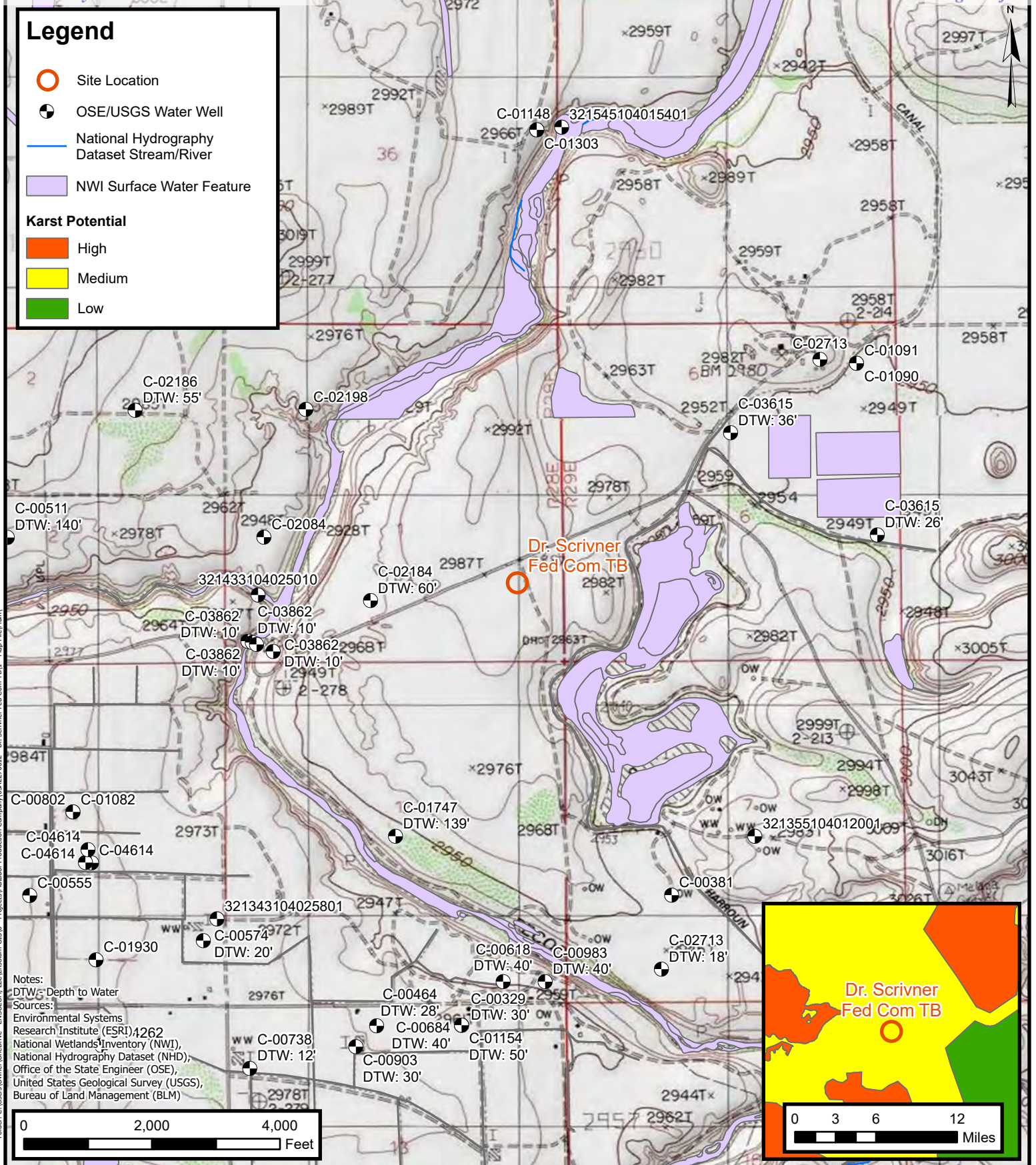
Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Deferral Area Map
Table 1	Soil Sample Analytical Results
Appendix A	C-141 Form
Appendix B	Referenced Well Records
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Photographic Log
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	Email Correspondence





FIGURES



## Site Receptor Map

Matador Production Company  
Dr. Scrivner Fed Com TB  
Incident Number: nAPP2323063169  
Unit P, Sec. 01, T 24S, R 28E  
Eddy County, New Mexico

**FIGURE**

**1**



**Legend**

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

BH02@0'  
BH02@1.5'  
BH02@2'  
BH02@3'  
BH02@4'  
BH02@5'  
BH02@6'  
BH02@7'  
BH02@8'  
BH02@9'  
BH02@10'  
BH02@14'  
BH02@16'

SS02A@0'

SS02@0'

SS01@0'

SS01A@0'

SS03@0'

BH01@0'  
BH01@1'

SS04@0'

Notes:  
Sample ID @ Depth Below Ground Surface.  
Samples in bold indicate sample exceeded applicable closure criteria.

0 5 10 20 30 40  
Feet

Sources: Environmental Systems Research Institute (ESRI)

**Delineation Soil Sample Locations**

Matador Production Company  
Dr. Scrivner Fed Com TB  
Incident Number: nAPP2323063169  
Unit P, Sec. 01, T 24S, R 28E  
Eddy County, New Mexico

**FIGURE****2**



TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Dr.Scrivner Fed Com TB  
 Matador Production Company  
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Delineation Soil Samples</b>										
SS01	8/23/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>836</b>
SS01A	9/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	184
SS02	8/23/2023	0	<0.0250	<0.0250	<20.0	<25.0	106	<50.0	<b>106</b>	36.6
SS02A	9/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	45.4
SS03	8/23/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	198
SS04	8/23/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	517
BH01	8/23/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>31,900</b>
BH01	8/23/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>10,200</b>
BH02	8/31/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>18,500</b>
BH02	8/31/2023	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>9,210</b>
BH02	9/5/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>2,530</b>
BH02	9/29/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>740</b>
BH02	9/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>623</b>
BH02	9/29/2023	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>626</b>
BH02	9/29/2023	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>923</b>
BH02	9/29/2023	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>780</b>
BH02	9/29/2023	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>852</b>
BH02	9/29/2023	9	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>1,210</b>
BH02	9/29/2023	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<b>924</b>
BH02	12/20/2023	14	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	167
BH02	12/20/2023	16	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	122

**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

&lt;": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Form C-141

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District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
811 S. First St., Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2323063169
District RP	
Facility ID	
Application ID	

# Release Notification

## Responsible Party

Responsible Party Matador Production Company	OGRID 228937
Contact Name Clint Talley	Contact Telephone (337) 319-8398
Contact email clinton.talley@matadorresources.com	Incident # <i>(assigned by OCD)</i>
Contact mailing address 5400 Lyndon B Johnson Fwy, Dallas, Texas 75240	

## Location of Release Source

Latitude 32.24305 Longitude -104.03460  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dr. Scrivner Fed Com TB	Site Type Oil Well
Date Release Discovered 08/17/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
P	01	24S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: \_\_\_\_\_)

## Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 22.48 bbls	Volume Recovered (bbls) 10 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Separator water dump valve cut out due to corrosion.

$$BBL\ Estimate = \left( \frac{Saturated\ Soil\ Volume\ (ft^3)}{4.21\ \left( \frac{ft^3}{bbl} \right) equivalent} \right) \times Estimated\ Soil\ Porosity\ (\%)$$

$$+ Recovered\ Fluids\ (bbl)$$

$$((1,402 \times 0.25) / 4.21)) \times 0.15 + (10 \text{ bbls}) = \textbf{Total: 22.48 bbls}$$




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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice was given to NMOCD on 8/18/2023 via website.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Clint Talley</u>	Title: <u>EHS Supervisor</u>
Signature: <u></u>	Date: <u>08/18/2023</u>
email: <u>Clinton.talley@matadorresources.com</u>	Telephone: <u>337-319-8398</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

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## Site Assessment/Characterization

*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?	<u>60</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

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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.

Printed Name: Clint Talley Title: EHS SupervisorSignature: *Clint Talley* Date: 08/18/2023email: Clinton.talley@matadorresources.com Telephone: 337-319-8398**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Clint Talley Title: EHS SupervisorSignature: Clint Talley Date: 08/18/2023email: Clinton.talley@matadorresources.com Telephone: 337-319-8398**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## APPENDIX B

### Referenced Wells


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# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03862 POD5	4	3	3	01	24S	28E	589785	3567458 

**Driller License:** 1186 **Driller Company:** NOT FOR HIRE

**Driller Name:** CHRISTIAN ORTIZ

**Drill Start Date:** 04/20/2015

**Drill Finish Date:** 04/23/2015

**Plug Date:**

**Log File Date:** 05/14/2015

**PCW Rcv Date:**

**Source:** Shallow

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Casing Size:**

**Depth Well:** 17 feet

**Depth Water:** 10 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	17	Other/Unknown

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/22/23 10:20 AM

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POD SUMMARY - C 03862 POD5



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02184	2	4	3	01	24S	28E	590248	3567700*

<b>Driller License:</b>	1184	<b>Driller Company:</b>	WEST TEXAS WATER WELL SERVICE		
<b>Driller Name:</b>	ROBERT W. COLLIS				
<b>Drill Start Date:</b>	12/10/1989	<b>Drill Finish Date:</b>	12/10/1989	<b>Plug Date:</b>	01/18/1991
<b>Log File Date:</b>	12/19/1989	<b>PCW Rcv Date:</b>		<b>Source:</b>	Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b>	300 GPM
<b>Casing Size:</b>	6.00	<b>Depth Well:</b>	87 feet	<b>Depth Water:</b>	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	85	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	47	87

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/8/24 2:58 PM

Page 1 of 1

POD SUMMARY - C 02184







## APPENDIX C

### Lithologic Soil Sampling Logs

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								Sample Name: BH01		Date: 8/23/2023	
								Site Name: Dr. Scrivner Fed Com TB			
								Incident Number: nAPP2323063169			
								Job Number: 03A2270012			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Cole Burton		Method: Shovel	
Coordinates: 32.24304, -104.03455								Hole Diameter: 1'		Total Depth: 1.5' bgs	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH01	0	0	CCHE	Caliche, staining			
Dry			N	BH01	1	1	CCHE	Caliche			
					1.5			Solid rock			
Total Depth = 1.5' bgs											

								Sample Name: BH02		Date: 12/20/2023	
								Site Name: Dr. Scrivner Fed Com TB			
								Incident Number: nAPP2323063169			
								Job Number: 03A2270012			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Ethan Haft		Method: Drill	
Coordinates: 32.2430736, -104.0346513								Hole Diameter: 3"		Total Depth: 16ft BGS	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M		NA	Y	BH02	0	0	CCHE	Caliche, staining			
Dry	2700	NA	N	BH02	1	1	CCHE	Caliche			
Dry		NA	N	BH02	2	2	GP-GC	Silt, clay, mudstone and limestone pebbles. Poorly sorted, light brown.			
Dry	700	NA	N	BH02	3	3	GP-GC	Same as above.			
Dry	700	NA	N	BH02	4	4	GP-GC	Same as above.			
Dry	700	NA	N	BH02	5	5	GP-GC	Same as above.			
Dry	700	NA	N	BH02	6	6	GP-GC	Same as above.			
Dry	700	NA	N	BH02	7	7	GP-GC	Same as above.			
Dry	700	NA	N	BH02	8	8	GP-GC	Same as above.			
Dry	1000	NA	N	BH02	9	9	GP-GC	Same as above.			
Dry	590	NA	N	BH02	10	10	GP-GC	Silt, clay, mudstone and limestone pebbles. Poorly sorted, light brown.			
Dry	470	NA	N	BH02	11	11	GP-GC	Silt, clay, mudstone and limestone gravel. Poor to moderate sorting, light brown.			
Dry	470	NA	N	BH02	12	12	GP-GC	Same as above.			
Dry	470	NA	N	BH02	13	13	GP-GC	Same as above.			
Dry	ND	NA	N	BH02	14	14	CH	Light brown powdery clay. Well sorted.			
Dry	200	NA	N	BH02	15	15	CH	Same as above.			
Dry	ND	NA	N	BH02	16	16	CH	Same as above.			



## APPENDIX D

### Photographic Log

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## Photographic Log

Matador Production Company  
Site Name: Dr. Scrivner Fed Com TB  
Incident Number: nAPP2323063169

### North East Elevation

242°SW (T) LAT: 32.243713 LON: -104.034510 ±16ft ▲ 2980ft



Photograph 1

Date: 08/18/2023

Description: Site Signage

View: Southwest

### North West Elevation

123°SE (T) LAT: 32.243110 LON: -104.034648 ±13ft ▲ 2994ft



Photograph 2

Date: 08/18/2023

Description: Spill Area

View: Southeast

158°(null) (T) LAT: 32.243105 LON: -104.034664 ±13ft ▲ 2992ft



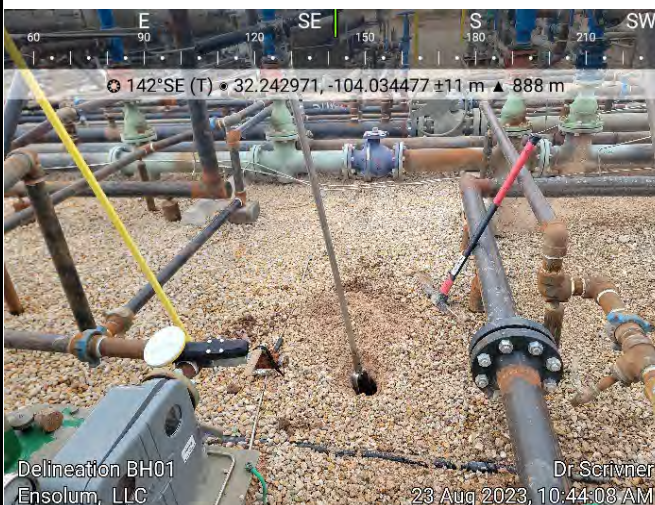
Photograph 3

Date: 08/18/2023

Description: Spill Area

View: Southeast

142°SE (T) LAT: 32.242971 LON: -104.034477 ±11 m ▲ 888 m



Photograph 4

Date: 08/23/2023

Description: Vertical Delineation

View: Southeast



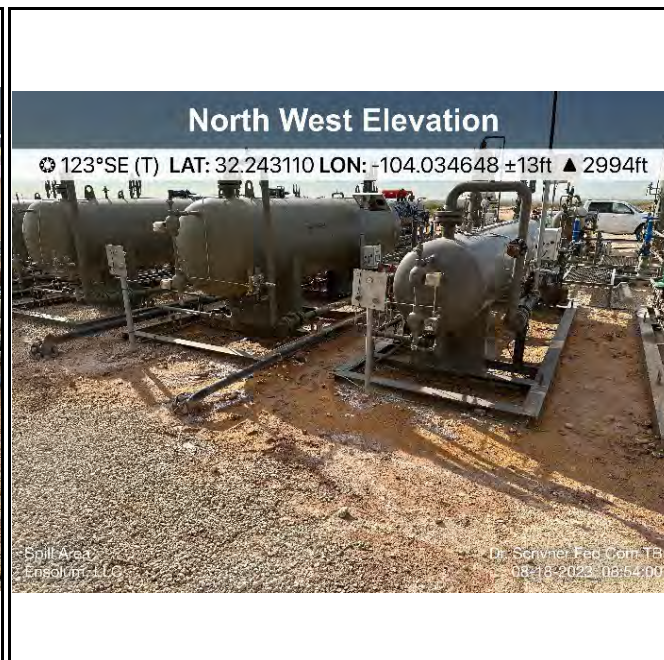


## Photographic Log

Matador Production Company  
Site Name: Dr. Scrivner Fed Com TB  
Incident Number: nAPP2323063169



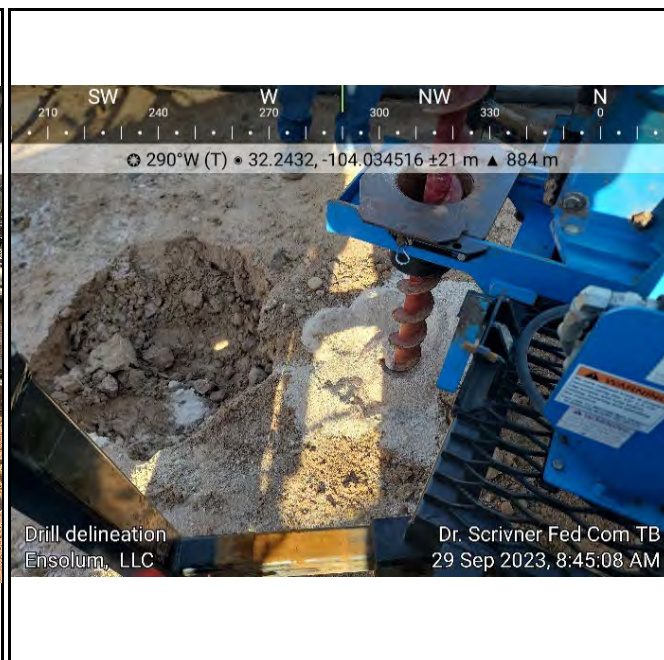
Photograph 5 Date: 08/23/2023  
Description: Vertical Delineation  
View: Southwest



Photograph 6 Date: 08/18/2023  
Description: Release Extent  
View: Southeast



Photograph 7 Date: 08/18/2023  
Description: Release Extent  
View: South



Photograph 8 Date: 09/29/2023  
Description: Vertical Delineation  
View: West

**Photographic Log**

Matador Production Company  
Site Name: Dr. Scrivner Fed Com TB  
Incident Number: nAPP2323063169



Photograph 9  
Description: Drilling  
View: West

Date: 12/20/2023



Photograph 10  
Description: Drilling  
View: East

Date: 12/20/2023





## 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: Dr. Scrivner Fed Com TB

Work Order: E308184

Job Number: 23052-0001

Received: 8/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/31/23

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: 8/31/23

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E308184  
Date Received: 8/25/2023 5:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/25/2023 5:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported: 08/31/23 15:22
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E308184-01A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.
SS02 - 0'	E308184-02A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.
SS03 - 0'	E308184-03A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.
SS04 - 0'	E308184-04A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.
BH01 - 0'	E308184-05A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.
BH01 - 1'	E308184-06A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.
BH02 - 0'	E308184-07A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.
BH02 - 1.5'	E308184-08A	Soil	08/23/23	08/25/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

SS01 - 0'

E308184-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2334086	
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene	107 %	70-130		08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		08/25/23	08/25/23	
Surrogate: Toluene-d8	97.8 %	70-130		08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2334086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene	107 %	70-130		08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		08/25/23	08/25/23	
Surrogate: Toluene-d8	97.8 %	70-130		08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2335048	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane	88.9 %	50-200		08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2335035	
Chloride	836	20.0	1	08/29/23	08/30/23	



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

SS02 - 0'

E308184-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		107 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		99.0 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		107 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		99.0 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	106	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		87.6 %	50-200	08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335035
Chloride	36.6	20.0	1	08/29/23	08/30/23	





## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

SS03 - 0'

E308184-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		110 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		99.2 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		110 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		99.2 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		87.0 %	50-200	08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335035
Chloride	198	20.0	1	08/29/23	08/30/23	



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

SS04 - 0'

E308184-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		96.1 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		96.1 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		87.5 %	50-200	08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335035
Chloride	517	20.0	1	08/29/23	08/30/23	



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

BH01 - 0'

E308184-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		109 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		98.3 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		109 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		98.3 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		85.8 %	50-200	08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335035
Chloride	31900	400	20	08/29/23	08/30/23	



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

## BH01 - 1'

## E308184-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		98.3 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		106 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		98.3 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		82.3 %	50-200	08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335035
Chloride	10200	400	20	08/29/23	08/30/23	



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

BH02 - 0'

E308184-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		107 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		97.2 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		107 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		97.2 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		79.5 %	50-200	08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335035
Chloride	18500	400	20	08/29/23	08/30/23	





## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
8/31/2023 3:22:58PM

## BH02 - 1.5'

## E308184-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Benzene	ND	0.0250	1	08/25/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/25/23	08/25/23	
Toluene	ND	0.0250	1	08/25/23	08/25/23	
o-Xylene	ND	0.0250	1	08/25/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/25/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		108 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		97.1 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/25/23	08/25/23	
Surrogate: Bromofluorobenzene		108 %	70-130	08/25/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	08/25/23	08/25/23	
Surrogate: Toluene-d8		97.1 %	70-130	08/25/23	08/25/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		81.5 %	50-200	08/30/23	08/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335035
Chloride	9210	400	20	08/29/23	08/30/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/31/2023 3:22:58PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2334086-BLK1) Prepared: 08/25/23 Analyzed: 08/25/23

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	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

LCS (2334086-BS1) Prepared: 08/25/23 Analyzed: 08/25/23

Benzene	2.63	0.0250	2.50		105	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.50	0.0250	2.50		100	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.09	0.0500	5.00		102	70-130			
Total Xylenes	7.66	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

Matrix Spike (2334086-MS1) Source: E308184-03 Prepared: 08/25/23 Analyzed: 08/25/23

Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.69	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.99	0.0250	7.50	ND	106	43-135			
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

Matrix Spike Dup (2334086-MSD1) Source: E308184-03 Prepared: 08/25/23 Analyzed: 08/25/23

Benzene	2.35	0.0250	2.50	ND	93.9	48-131	11.4	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.9	45-135	12.4	27	
Toluene	2.21	0.0250	2.50	ND	88.5	48-130	13.0	24	
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135	11.7	27	
p,m-Xylene	4.69	0.0500	5.00	ND	93.7	43-135	12.3	27	
Total Xylenes	7.07	0.0250	7.50	ND	94.3	43-135	12.1	27	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/31/2023 3:22:58PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2334086-BLK1) Prepared: 08/25/23 Analyzed: 08/25/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

LCS (2334086-BS2) Prepared: 08/25/23 Analyzed: 08/25/23

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

Matrix Spike (2334086-MS2) Source: E308184-03 Prepared: 08/25/23 Analyzed: 08/25/23

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130			

Matrix Spike Dup (2334086-MSD2) Source: E308184-03 Prepared: 08/25/23 Analyzed: 08/25/23

Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	70-130	5.98	20	
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/31/2023 3:22:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2335048-BLK1)					Prepared: 08/30/23 Analyzed: 08/30/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.5		50.0		86.9	50-200			

LCS (2335048-BS1)					Prepared: 08/30/23 Analyzed: 08/30/23				
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	41.5		50.0		83.0	50-200			

Matrix Spike (2335048-MS1)					Source: E308184-04		Prepared: 08/30/23 Analyzed: 08/30/23		
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.8	38-132			
Surrogate: n-Nonane	39.0		50.0		78.1	50-200			

Matrix Spike Dup (2335048-MSD1)					Source: E308184-04		Prepared: 08/30/23 Analyzed: 08/30/23		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132	3.60	20	
Surrogate: n-Nonane	39.0		50.0		78.0	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported: 8/31/2023 3:22:58PM
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Anions by EPA 300.0/9056A

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 (2335035-BLK1)					Prepared: 08/29/23 Analyzed: 08/30/23				
Chloride	ND	20.0							
LCS (2335035-BS1)					Prepared: 08/29/23 Analyzed: 08/31/23				
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2335035-MS1)					Source: E308184-01		Prepared: 08/29/23 Analyzed: 08/30/23		
Chloride	928	20.0	250	836	36.9	80-120			M2
Matrix Spike Dup (2335035-MSD1)					Source: E308184-01		Prepared: 08/29/23 Analyzed: 08/30/23		
Chloride	1020	20.0	250	836	74.3	80-120	9.58	20	M2

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





Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/31/23 15:22

- 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

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

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



Client: Matador Production Company.				<b>Bill To</b> Attention: Matador Production Company Address: on file City, State, Zip: Phone: (337)319-8398 Email: clinton.talley@matadorresources.com		Lab Use Only						TAT				EPA Program	
Project: Dr. Scrivner Fed Com TB						Lab WO#	Job Number					1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo						E308184 23052-0001								x			
Address: 3122 National Parks Hwy						Analysis and Method										RCRA	
City, State, Zip: Carlsbad NM, 88220						TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX	State	
Phone: 575-988-0055										NM	CO	UT	AZ	TX			
Email: agiovengo@ensolum.com										x							
Report due by:																Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												
9:22	8/23/2023	Soil	1 Jar	SS01 - 0'	1									x			
9:45	8/23/2023	Soil	1 Jar	SS02 - 0'	2									x			
8:54	8/23/2023	Soil	1 Jar	SS03 - 0'	3									x			
9:54	8/23/2023	Soil	1 Jar	SS04 - 0'	4									x			
10:15	8/23/2023	Soil	1 Jar	BH01 - 0'	5									x			
10:52	8/23/2023	Solid	1 Jar	BH01 - 1'	6									x			
10:49	8/23/2023	Soil	1 Jar	BH02 - 0'	7									x			
11:00	8/23/2023	Solid	1 Jar	BH02 - 1.5'	8									x			
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
[Signature]		8-24-23	7:25	[Signature]		8-24-23	0725	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
[Signature]		8-24-23	1630	[Signature]		8-24-23	1715										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C									
[Signature]		8-24-23	2345	[Signature]		8/25/23	5:30	4									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

## Envirotech Analytical Laboratory

Printed: 8/25/2023 9:32:59AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/25/23 05:30	Work Order ID:	E308184
Phone:	(972) 371-5200	Date Logged In:	08/24/23 15:21	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	08/31/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309043

Job Number: 23052-0001

Received: 9/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/13/23

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: 9/13/23

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309043  
Date Received: 9/7/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2023 8:15:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Alexa Michaels**  
Sample Custody Officer  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported: 09/13/23 14:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A - 0'	E309043-01A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
SS02A - 0'	E309043-02A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
BH02 - 2'	E309043-03A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported: 9/13/2023 2:52:38PM
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SS01A - 0'

E309043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		09/09/23	09/11/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		09/09/23	09/11/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane	102 %	50-200		09/11/23	09/11/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	184	20.0	1	09/11/23	09/12/23	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported: 9/13/2023 2:52:38PM
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SS02A - 0'  
E309043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2336095	
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		09/09/23	09/11/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2336095	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		09/09/23	09/11/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2337003	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane	103 %	50-200		09/11/23	09/11/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2337012	
Chloride	45.4	20.0	1	09/11/23	09/12/23	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported: 9/13/2023 2:52:38PM
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BH02 - 2'

E309043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2336095	
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		09/09/23	09/11/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2336095	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		09/09/23	09/11/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2337003	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane	103 %	50-200		09/11/23	09/11/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2337012	
Chloride	2530	40.0	2	09/11/23	09/12/23	





QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/13/2023 2:52:38PM

Volatile Organics by EPA 8021B

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 (2336095-BLK1) Prepared: 09/09/23 Analyzed: 09/11/23

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	7.53		8.00		94.1	70-130			

LCS (2336095-BS1) Prepared: 09/09/23 Analyzed: 09/11/23

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

Matrix Spike (2336095-MS1) Source: E309039-01 Prepared: 09/09/23 Analyzed: 09/11/23

Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133			
Toluene	4.70	0.0250	5.00	ND	94.0	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			

Matrix Spike Dup (2336095-MSD1) Source: E309039-01 Prepared: 09/09/23 Analyzed: 09/11/23

Benzene	4.49	0.0250	5.00	ND	89.8	54-133	3.55	20	
Ethylbenzene	4.48	0.0250	5.00	ND	89.5	61-133	3.94	20	
Toluene	4.51	0.0250	5.00	ND	90.3	61-130	4.06	20	
o-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	3.84	20	
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	63-131	4.03	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131	3.97	20	
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/13/2023 2:52:38PM

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 (2336095-BLK1) Prepared: 09/09/23 Analyzed: 09/11/23

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

LCS (2336095-BS2) Prepared: 09/09/23 Analyzed: 09/11/23

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike (2336095-MS2) Source: E309039-01 Prepared: 09/09/23 Analyzed: 09/11/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

Matrix Spike Dup (2336095-MSD2) Source: E309039-01 Prepared: 09/09/23 Analyzed: 09/11/23

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/13/2023 2:52:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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 (2337003-BLK1)					Prepared: 09/11/23 Analyzed: 09/11/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.3		50.0		127	50-200			

LCS (2337003-BS1)					Prepared: 09/11/23 Analyzed: 09/11/23				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			

Matrix Spike (2337003-MS1)					Source: E309042-02		Prepared: 09/11/23 Analyzed: 09/11/23		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike Dup (2337003-MSD1)					Source: E309042-02		Prepared: 09/11/23 Analyzed: 09/11/23		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132	0.651	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  9/13/2023 2:52:38PM
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Anions by EPA 300.0/9056A

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 (2337012-BLK1)					Prepared: 09/11/23 Analyzed: 09/11/23				
Chloride	ND	20.0							
LCS (2337012-BS1)					Prepared: 09/11/23 Analyzed: 09/11/23				
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2337012-MS1)					Source: E309039-01		Prepared: 09/11/23 Analyzed: 09/11/23		
Chloride	587	200	250	361	90.2	80-120			
Matrix Spike Dup (2337012-MSD1)					Source: E309039-01		Prepared: 09/11/23 Analyzed: 09/11/23		
Chloride	636	200	250	361	110	80-120	8.12	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/13/23 14:52

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite

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

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



Additional Instructions: Please CC: [cburton@ensolum.com](mailto:cburton@ensolum.com), [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other \_\_\_\_\_

envirotech

## Envirotech Analytical Laboratory

Printed: 9/7/2023 9:22:20AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/07/23 08:15	Work Order ID:	E309043
Phone:	(972) 371-5200	Date Logged In:	09/06/23 15:16	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	09/13/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309246

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/6/23

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309246  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Custody Officer  
Office: 505-632-1881  
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Field Offices:

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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 3'	E309246-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/6/2023 12:12:23PM
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BH02 - 3'

E309246-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2340006
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.0 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL			Batch: 2340044
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	104 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA			Batch: 2340067
Chloride	740	20.0	1	10/04/23	10/05/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:12:23PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:12:23PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:12:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340044-BLK1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2340044-BS1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike (2340044-MS1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike Dup (2340044-MSD1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	38-132	11.0	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 12:12:23PM
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Anions by EPA 300.0/9056A

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 (2340067-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340067-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2340067-MS1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	439	20.0	250	182	103	80-120			
Matrix Spike Dup (2340067-MSD1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	446	20.0	250	182	105	80-120	1.52	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:12

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Client: Matador Production Company.					
Project: Dr. Scrivner Fed Com TB					
Project Manager: Ashley Giovengo					
Address: 3122 National Parks Hwy					
City, State, Zip: Carlsbad NM, 88220					
Phone: 575-988-0055					
Email: agiovengo@ensolum.com					
Report due by:					
Bill To Attention: Matador Production Company Address: on file City, State, Zip: Phone: (337)319-8398 Email: clinton.talley@matadorresources.com					
Lab Use Only Lab WO# E309246 Job Number 230520001					
TAT 1D 2D 3D Standard x CWA SDWA RCRA					
Analysis and Method TPH GRO/DRO/ORO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM GDGC TX State NM CO UT AZ TX					
Remarks					
Time Sampled Date Sampled Matrix No. of Containers Sample ID Lab Number					
8:30 9/29/2023 Soil 1 Jar BH02 - 3'					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehafit@ensolum.com					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. <div>Sampled by: Relinquished by: Michelle Camp Date 9-29-23 Time 7:53 Received by: Michelle Camp Date 9-29-23 Time 1553 Received on ice: Y N T1 T2 T3 AVG Temp °C 4</div>					
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					

## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:23:46AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/30/23 09:30	Work Order ID:	E309246
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:39	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309247

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/6/23

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309247  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 4'	E309247-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/6/2023 12:13:56PM
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BH02 - 4'

E309247-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2340006
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.4 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL			Batch: 2340044
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	109 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA			Batch: 2340067
Chloride	623	20.0	1	10/04/23	10/06/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:13:56PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:13:56PM

Nonhalogenated Organics by EPA 8015D - GRO

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

Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:13:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340044-BLK1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2340044-BS1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike (2340044-MS1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike Dup (2340044-MSD1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	38-132	11.0	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 12:13:56PM
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Anions by EPA 300.0/9056A

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 (2340067-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340067-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2340067-MS1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	439	20.0	250	182	103	80-120			
Matrix Spike Dup (2340067-MSD1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	446	20.0	250	182	105	80-120	1.52	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:13

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Page 11 of 12

## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:27:31AM

## 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:	09/30/23 09:30	Work Order ID:	E309247
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:40	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309248

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

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: 10/6/23



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

Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309248  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 5'	E309248-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
10/6/2023 12:15:16PM

BH02 - 5'

E309248-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340067	
Chloride	626	20.0	1	10/04/23	10/06/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:15:16PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:15:16PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:15:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340044-BLK1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2340044-BS1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike (2340044-MS1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike Dup (2340044-MSD1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	38-132	11.0	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 12:15:16PM
---	---	---------------------------------------

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2340067-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340067-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2340067-MS1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	439	20.0	250	182	103	80-120			
Matrix Spike Dup (2340067-MSD1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	446	20.0	250	182	105	80-120	1.52	20	

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





Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:15

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



[illegible]

## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:32:21AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/30/23 09:30	Work Order ID:	E309248
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:40	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309249

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 10/6/23

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309249  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 6'	E309249-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.





## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/6/2023 12:17:21PM
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BH02 - 6'

E309249-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2340006
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.1 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.3 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL			Batch: 2340044
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>	111 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA			Batch: 2340067
Chloride	923	20.0	1	10/04/23	10/06/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:17:21PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:17:21PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:17:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340044-BLK1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2340044-BS1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike (2340044-MS1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike Dup (2340044-MSD1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	38-132	11.0	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 12:17:21PM
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Anions by EPA 300.0/9056A

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 (2340067-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340067-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2340067-MS1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	439	20.0	250	182	103	80-120			
Matrix Spike Dup (2340067-MSD1)					Source: E309245-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	446	20.0	250	182	105	80-120	1.52	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:17

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



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



## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:37:08AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/30/23 09:30	Work Order ID:	E309249
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:41	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

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## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309250

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/6/23

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309250  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
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Cell: 775-287-1762  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 7'	E309250-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported: 10/6/2023 2:18:08PM
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BH02 - 7'

E309250-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	97.0 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.5 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2340054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	83.4 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2340074	
Chloride	780	20.0	1	10/04/23	10/05/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:18:08PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:18:08PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:18:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340054-BLK1) Prepared: 10/03/23 Analyzed: 10/05/23

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

LCS (2340054-BS1) Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
Surrogate: n-Nonane	44.4		50.0		88.7	50-200			

Matrix Spike (2340054-MS1) Source: E309245-01 Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	207	25.0	250	ND	82.8	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike Dup (2340054-MSD1) Source: E309245-01 Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132	2.30	20	
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 2:18:08PM
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Anions by EPA 300.0/9056A

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 (2340074-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340074-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1040	20.0	250	780	104	80-120	3.11	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:18

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Page 11 of 12

## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:41:30AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/30/23 09:30	Work Order ID:	E309250
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:42	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309251

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 10/6/23



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

Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309251  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:  10/06/23 14:19
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 8'	E309251-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/6/2023 2:19:54PM
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BH02 - 8'

E309251-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.5 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2340054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	82.5 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2340074	
Chloride	852	20.0	1	10/04/23	10/05/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:19:54PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:19:54PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:19:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340054-BLK1)					Prepared: 10/03/23 Analyzed: 10/05/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.1		50.0		82.2	50-200			

LCS (2340054-BS1)					Prepared: 10/03/23 Analyzed: 10/05/23				
Diesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
Surrogate: n-Nonane	44.4		50.0		88.7	50-200			

Matrix Spike (2340054-MS1)					Source: E309245-01		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	207	25.0	250	ND	82.8	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike Dup (2340054-MSD1)					Source: E309245-01		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132	2.30	20	
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 2:19:54PM
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Anions by EPA 300.0/9056A

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 (2340074-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340074-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1040	20.0	250	780	104	80-120	3.11	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:19

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



[illegible]

## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:49:46AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/30/23 09:30	Work Order ID:	E309251
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:43	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309252

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/6/23

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309252  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
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Field Offices:

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**Lynn Jarboe**  
Technical Representative/Client Services  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 9'	E309252-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
10/6/2023 2:22:10PM

BH02 - 9'

E309252-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	84.0 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340074	
Chloride	1210	20.0	1	10/04/23	10/05/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:22:10PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:22:10PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:22:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340054-BLK1) Prepared: 10/03/23 Analyzed: 10/05/23

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

LCS (2340054-BS1) Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
Surrogate: n-Nonane	44.4		50.0		88.7	50-200			

Matrix Spike (2340054-MS1) Source: E309245-01 Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	207	25.0	250	ND	82.8	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike Dup (2340054-MSD1) Source: E309245-01 Prepared: 10/03/23 Analyzed: 10/05/23

Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132	2.30	20	
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 2:22:10PM
---	---	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2340074-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340074-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1040	20.0	250	780	104	80-120	3.11	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:22

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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





[illegible]

## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:53:43AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/30/23 09:30	Work Order ID:	E309252
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:44	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

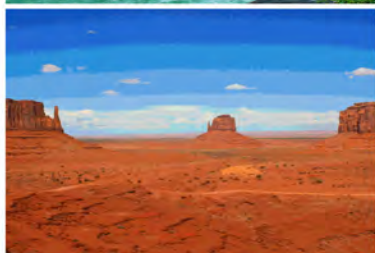
Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

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## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E309253

Job Number: 23052-0001

Received: 9/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 10/6/23



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

Project Name: Dr. Scrivner Fed Com TB  
Workorder: E309253  
Date Received: 9/30/2023 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 9:30:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 10'	E309253-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
10/6/2023 2:23:48PM

## BH02 - 10'

## E309253-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.7 %	70-130		10/02/23	10/03/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	85.3 %	50-200		10/03/23	10/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340074	
Chloride	924	20.0	1	10/04/23	10/05/23	





QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:23:48PM

Volatile Organics by EPA 8021B

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	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	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:23:48PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

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

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 2:23:48PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2340054-BLK1)					Prepared: 10/03/23 Analyzed: 10/05/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.1		50.0		82.2	50-200			

LCS (2340054-BS1)					Prepared: 10/03/23 Analyzed: 10/05/23				
Diesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
Surrogate: n-Nonane	44.4		50.0		88.7	50-200			

Matrix Spike (2340054-MS1)					Source: E309245-01		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	207	25.0	250	ND	82.8	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike Dup (2340054-MSD1)					Source: E309245-01		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132	2.30	20	
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  10/6/2023 2:23:48PM
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Anions by EPA 300.0/9056A

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 (2340074-BLK1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	ND	20.0							
LCS (2340074-BS1)					Prepared: 10/04/23 Analyzed: 10/05/23				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)					Source: E309250-01		Prepared: 10/04/23 Analyzed: 10/05/23		
Chloride	1040	20.0	250	780	104	80-120	3.11	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:23

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Page 11 of 12

## Envirotech Analytical Laboratory

Printed: 10/2/2023 11:57:15AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/30/23 09:30	Work Order ID:	E309253
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19:44	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E312178

Job Number: 23052-0001

Received: 12/27/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/2/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
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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: 1/2/24

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E312178  
Date Received: 12/27/2023 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/27/2023 8:00:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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**Southern New Mexico Area**

**Lynn Jarboe**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/02/24 15:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-16'	E312178-01A	Soil	12/20/23	12/27/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	<b>Reported:</b> 1/2/2024 3:03:06PM
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**BH02-16'**

**E312178-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2352008	
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.4 %	70-130		12/27/23	12/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2352008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.5 %	70-130		12/27/23	12/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2352021	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/28/23	
<i>Surrogate: n-Nonane</i>	108 %	50-200		12/28/23	12/28/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2352024	
Chloride	122	20.0	1	12/28/23	12/29/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 3:03:06PM

Volatile Organics by EPA 8021B

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 (2352008-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23

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	7.32		8.00		91.6	70-130			

LCS (2352008-BS1) Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

Matrix Spike (2352008-MS1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.59	0.0250	5.00	ND	91.8	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	61-133			
Toluene	4.77	0.0250	5.00	ND	95.5	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	97.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130			

Matrix Spike Dup (2352008-MSD1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.51	0.0250	5.00	ND	90.2	54-133	1.73	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.5	61-133	1.37	20	
Toluene	4.71	0.0250	5.00	ND	94.1	61-130	1.42	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	0.661	20	
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131	1.17	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131	1.00	20	
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 3:03:06PM

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 (2352008-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23

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

LCS (2352008-BS2) Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike (2352008-MS2) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

Matrix Spike Dup (2352008-MSD2) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.5	70-130	0.268	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 3:03:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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 (2352021-BLK1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2352021-BS1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2352021-MS1)					Source: E312173-05		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike Dup (2352021-MSD1)					Source: E312173-05		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	0.592	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  1/2/2024 3:03:06PM
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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 (2352024-BLK1)					Prepared: 12/28/23 Analyzed: 12/29/23				
Chloride	ND	20.0							
LCS (2352024-BS1)					Prepared: 12/28/23 Analyzed: 12/29/23				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2352024-MS1)					Source: E312173-02		Prepared: 12/28/23 Analyzed: 12/29/23		
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2352024-MSD1)					Source: E312173-02		Prepared: 12/28/23 Analyzed: 12/29/23		
Chloride	253	20.0	250	ND	101	80-120	6.04	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/02/24 15:03

- 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.

[illegible]

Additional Instructions: Please CC: burton@ensolum.com, agiovento@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com - samples kept on ice									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Sampled by: Ethan Haft									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only			
<i>[Signature]</i>	12/22/23	0700	<i>[Signature]</i>	12-22-23	0945	Received on ice: <input checked="" type="radio"/> Y / N			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____			
<i>[Signature]</i>	12-22-23	1445	<i>[Signature]</i>	12-22-23	1800				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>			
<i>[Signature]</i>	12-22-23	2400	<i>[Signature]</i>	12/27/23	8:00				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.									

## Envirotech Analytical Laboratory

Printed: 12/27/2023 11:24:24AM

## 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:	12/27/23 08:00	Work Order ID:	E312178
Phone:	(972) 371-5200	Date Logged In:	12/27/23 09:10	Logged In By:	Jordan Montano
Email:	agiovngo@ensolum.com	Due Date:	01/03/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E312179

Job Number: 23052-0001

Received: 12/27/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/2/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/2/24

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E312179  
Date Received: 12/27/2023 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/27/2023 8:00:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzaes**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/02/24 15:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-14'	E312179-01A	Soil	12/20/23	12/27/23	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	<b>Reported:</b> 1/2/2024 3:01:55PM
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BH02-14'

E312179-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2352008	
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		12/27/23	12/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2352008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		12/27/23	12/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2352021	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/28/23	
Surrogate: n-Nonane	107 %	50-200		12/28/23	12/28/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2352024	
Chloride	167	20.0	1	12/28/23	12/29/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 3:01:55PM

Volatile Organics by EPA 8021B

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 (2352008-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23

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	7.32		8.00		91.6	70-130			

LCS (2352008-BS1) Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

Matrix Spike (2352008-MS1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.59	0.0250	5.00	ND	91.8	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	61-133			
Toluene	4.77	0.0250	5.00	ND	95.5	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	97.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130			

Matrix Spike Dup (2352008-MSD1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.51	0.0250	5.00	ND	90.2	54-133	1.73	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.5	61-133	1.37	20	
Toluene	4.71	0.0250	5.00	ND	94.1	61-130	1.42	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	0.661	20	
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131	1.17	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131	1.00	20	
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 3:01:55PM

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 (2352008-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23

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

LCS (2352008-BS2) Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike (2352008-MS2) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

Matrix Spike Dup (2352008-MSD2) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.5	70-130	0.268	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 3:01:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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 (2352021-BLK1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2352021-BS1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2352021-MS1)					Source: E312173-05		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike Dup (2352021-MSD1)					Source: E312173-05		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	0.592	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  1/2/2024 3:01:55PM
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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 (2352024-BLK1)					Prepared: 12/28/23 Analyzed: 12/29/23				
Chloride	ND	20.0							
LCS (2352024-BS1)					Prepared: 12/28/23 Analyzed: 12/29/23				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2352024-MS1)					Source: E312173-02		Prepared: 12/28/23 Analyzed: 12/29/23		
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2352024-MSD1)					Source: E312173-02		Prepared: 12/28/23 Analyzed: 12/29/23		
Chloride	253	20.0	250	ND	101	80-120	6.04	20	

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





Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/02/24 15:01

- 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.



[illegible]

## Envirotech Analytical Laboratory

Printed: 12/27/2023 11:24:01AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/27/23 08:00	Work Order ID:	E312179
Phone:	(972) 371-5200	Date Logged In:	12/27/23 09:14	Logged In By:	Jordan Montano
Email:	agiovngo@ensolum.com	Due Date:	01/03/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dr. Scrivner Fed Com TB

Work Order: E312180

Job Number: 23052-0001

Received: 12/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/2/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 1/2/24

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



Project Name: Dr. Scrivner Fed Com TB  
Workorder: E312180  
Date Received: 12/27/2023 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/27/2023 8:00:00AM, under the Project Name: Dr. Scrivner Fed Com TB.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
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Field Offices:

**Southern New Mexico Area**

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Client Representative  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/02/24 09:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-10'	E312180-01A	Soil	12/20/23	12/27/23	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Dr. Scrivner Fed Com TB  
Project Number: 23052-0001  
Project Manager: Ashley Giovengo

**Reported:**  
1/2/2024 9:14:40AM

BH02-10'

E312180-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2352009
Benzene	ND	0.0250	1	12/27/23	12/29/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/29/23	
Toluene	ND	0.0250	1	12/27/23	12/29/23	
o-Xylene	ND	0.0250	1	12/27/23	12/29/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/29/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/29/23	
Surrogate: 4-Bromochlorobenzene-PID	91.8 %	70-130		12/27/23	12/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2352009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		12/27/23	12/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2352021
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/28/23	
Surrogate: n-Nonane	108 %	50-200		12/28/23	12/28/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2352011
Chloride	667	20.0	1	12/27/23	12/28/23	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 9:14:40AM

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2352009-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23

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	7.54		8.00		94.3	70-130			

LCS (2352009-BS1) Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.48	0.0250	5.00		89.7	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	4.79	0.0250	5.00		95.8	70-130			
o-Xylene	4.89	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.8	0.0250	15.0		98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

Matrix Spike (2352009-MS1) Source: E312185-01 Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.50	0.0250	5.00	ND	90.0	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133			
Toluene	4.82	0.0250	5.00	ND	96.4	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

Matrix Spike Dup (2352009-MSD1) Source: E312185-01 Prepared: 12/27/23 Analyzed: 12/28/23

Benzene	4.63	0.0250	5.00	ND	92.7	54-133	2.99	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	3.32	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	3.12	20	
o-Xylene	5.10	0.0250	5.00	ND	102	63-131	3.48	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	3.21	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	3.30	20	
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 9:14:40AM

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 (2352009-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23

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

LCS (2352009-BS2) Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2352009-MS2) Source: E312185-01 Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike Dup (2352009-MSD2) Source: E312185-01 Prepared: 12/27/23 Analyzed: 12/28/23

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130	5.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 9:14:40AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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 (2352021-BLK1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2352021-BS1)					Prepared: 12/28/23 Analyzed: 12/28/23				
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2352021-MS1)					Source: E312173-05		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike Dup (2352021-MSD1)					Source: E312173-05		Prepared: 12/28/23 Analyzed: 12/28/23		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	0.592	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dr. Scrivner Fed Com TB Project Number: 23052-0001 Project Manager: Ashley Giovengo	Reported:  1/2/2024 9:14:40AM
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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 (2352011-BLK1)					Prepared: 12/27/23 Analyzed: 12/28/23				
Chloride	ND	20.0							
LCS (2352011-BS1)					Prepared: 12/27/23 Analyzed: 12/28/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2352011-MS1)					Source: E312171-22		Prepared: 12/27/23 Analyzed: 12/28/23		
Chloride	6700	200	250	6520	69.7	80-120			M4
Matrix Spike Dup (2352011-MSD1)					Source: E312171-22		Prepared: 12/27/23 Analyzed: 12/28/23		
Chloride	6680	200	250	6520	63.8	80-120	0.221	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/02/24 09:14

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

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

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



Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, chamilton@ensolum.com, ehaf@ensolum.com - samples kept on ice

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

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



## Envirotech Analytical Laboratory

Printed: 12/27/2023 11:23:24AM

## 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:	12/27/23 08:00	Work Order ID:	E312180
Phone:	(972) 371-5200	Date Logged In:	12/27/23 09:17	Logged In By:	Jordan Montano
Email:	agiovngo@ensolum.com	Due Date:	01/03/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## APPENDIX F

### Email Correspondence

---

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [clinton.talley@matadorresources.com](#); [Cole Burton](#); [Ethan Haft](#); [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)  
**Subject:** Matador Extension Request - Dr. Scrivner Fed Com TB - Incident Number nAPP2323063169  
**Date:** Wednesday, November 15, 2023 8:25:51 AM  
**Attachments:** [image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.png](#)

---

[ \*\*EXTERNAL EMAIL\*\* ]

RE: Incident #**NAPP2323063169**

**Ashley,**

Your request for an extension to **January 14th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Tuesday, November 14, 2023 3:44 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] Matador Extension Request - Dr. Scrivner Fed Com TB - Incident Number nAPP2323063169

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Tuesday, November 14, 2023 3:06 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; [clinton.talley@matadorresources.com](mailto:clinton.talley@matadorresources.com)  
**Cc:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>; Ethan Haft <[ehaft@ensolum.com](mailto:ehaft@ensolum.com)>; Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Subject:** [EXTERNAL] Matador Extension Request - Dr. Scrivner Fed Com TB - Incident Number nAPP2323063169

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

Hello,

Matador Production Company (Matador) is requesting an extension for the current deadline of November 15, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Dr. Scrivner Fed Com TB (Incident Number nAPP2323063169). The release occurred on August 17, 2023, and lateral delineation sampling has been completed at the site. Ensolum personnel completed two boreholes in order to establish vertical delineation at the site, however the boreholes are not in compliance with the strictest Closure Criteria per NMOCD Table I. Ensolum personnel will need to return to the site and complete vertical delineation in Pothole (BH02) to the strictest closure criteria with a drill rig equipped with an auger and split spoon. Matador will submit a remediation work plan or closure report, following the additional delineation efforts and discrete soil sampling. Matador respectfully requests a 60-day extension until January 14, 2023.

Thanks,



**Ashley Giovengo**

Senior Engineer

575-988-0055

Ensolum, LLC

in f 

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 306136

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 306136
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2323063169
Incident Name	NAPP2323063169 DR. SCRIVNER TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2203274033] Dr. Scrivner Fed Com Facility Tank Battery

<b>Location of Release Source</b> <i>Please answer all the questions in this group.</i>	
Site Name	DR. SCRIVNER TANK BATTERY
Date Release Discovered	08/17/2023
Surface Owner	Private

<b>Incident Details</b> <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b> <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Separator   Produced Water   Released: 22 BBL   Recovered: 10 BBL   Lost: 12 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 306136

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:
	228937
	Action Number:
	306136
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 01/22/2024
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QUESTIONS, Page 3

Action 306136

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:
	228937
	Action Number:
	306136
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

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

**Remediation Plan**

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
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.	
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)	31900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	106
GRO+DRO (EPA SW-846 Method 8015M)	0
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	01/22/2074
On what date will (or did) the final sampling or liner inspection occur	01/22/2074
On what date will (or was) the remediation complete(d)	01/22/2074
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	1402
What is the estimated volume (in cubic yards) that will be remediated	726

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 306136

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	306136
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360 Hobbs Facility
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 01/22/2024
--	--

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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Action 306136

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	306136
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Production equipment is currently in use and would need to be removed to remediate.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1402
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	726
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Dr. Scrivner Fed Com Facility Tank Battery [fAPP2203274033]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 01/22/2024

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Action 306136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 306136
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 306136

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 306136
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of sample points SS01, SS02, BH01 and BH02 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	3/27/2024