

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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

Matador Production Company Deferral Request Dr. Scrivner Fed Com TB

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.



Matador Production Company Deferral Request Dr. Scrivner Fed Com TB

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 incompliance 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.

Sincerely, **Ensolum**, **LLC**

Ashley Giovengo Senior Engineer Daniel R. Moir, PG Senior Managing Geologist



Matador Production Company Deferral Request Dr. Scrivner Fed Com TB

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

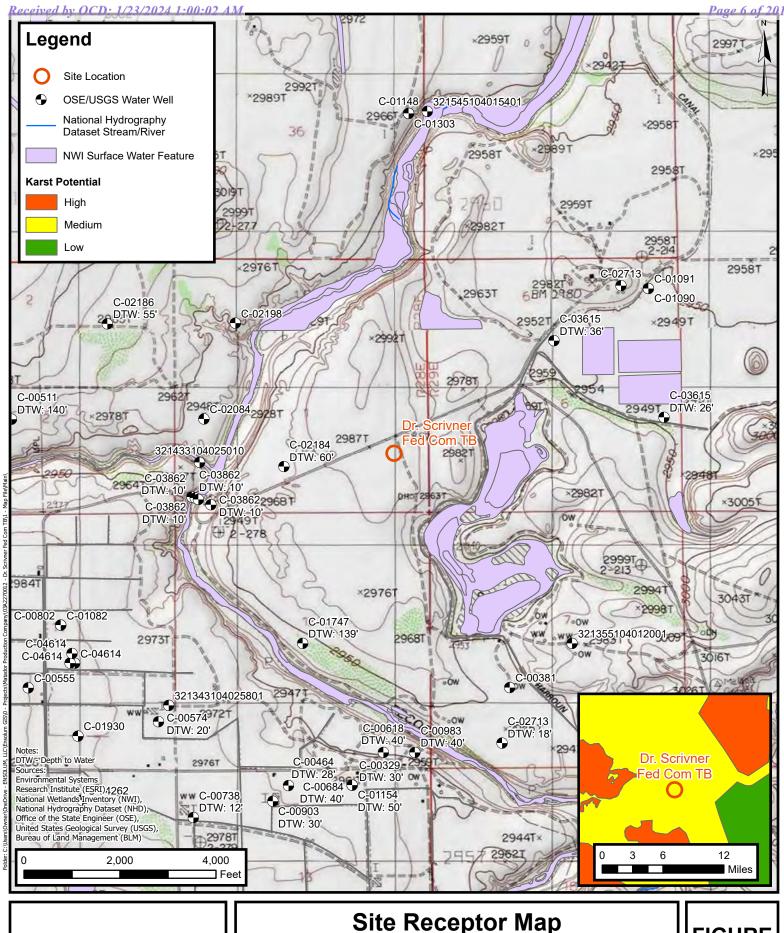
Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix F Email Correspondence





FIGURES



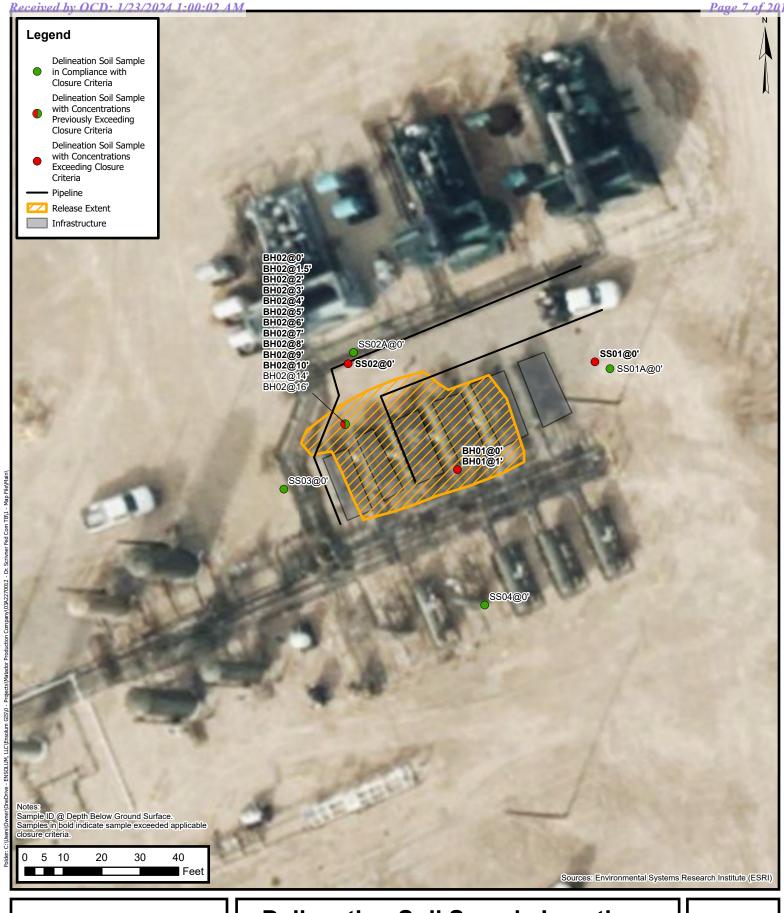


Site Receptor Map

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

FIGURE

Released to Imaging: 3/27/2024 4:30:31





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

				Luuj	County, New IVI	CKIOO				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
				Delir	neation Soil San	nples				
SS01	8/23/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	836
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	106	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	31,900
BH01	8/23/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	10,200
BH02	8/31/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	18,500
BH02	8/31/2023	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	9,210
BH02	9/5/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	2,530
BH02	9/29/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	740
BH02	9/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	623
BH02	9/29/2023	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	626
BH02	9/29/2023	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	923
BH02	9/29/2023	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	780
BH02	9/29/2023	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	852
BH02	9/29/2023	9	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	1,210
BH02	9/29/2023	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	924
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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

^{*} 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.



APPENDIX A

Form C-141

<u>District I</u> 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 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 Matad	lor Production Cor	npany	OGRID 22	OGRID 228937			
Contact Nam	ne Clint Talle	ey		Contact Te	Contact Telephone (337) 319-8398			
Contact ema	il clinton.tall	ley@matadorresou	irces.com	Incident #	(assigned by OCD)			
Contact mail Texas 75240		5400 Lyndon B Jo	hnson Fwy, Dallas	S,				
			Location	of Release So	ource			
Latitude <u>32.24305</u> Longitude <u>-104.03460</u>								
			(NAD 83 in dec	cimal degrees to 5 decin	nal places)			
Site Name Dr	. Scrivner F	ed Com TB		Site Type (Oil Well			
Date Release	Discovered	08/17/2023		API# (if app	plicable)			
Unit Letter	Section	Township	Range	Coun	nty			
P	01	24S	28E	Edd	ly			
	Materia	Federal Tr	Nature and	l Volume of 1	Release justification for the volumes provided below)			
Crude Oil		Volume Release	d (bbls)		Volume Recovered (bbls)			
Produced	Water	Volume Release	d (bbls) 22.48 bbls	S	Volume Recovered (bbls) 10 bbls			
		Is the concentrate produced water	ion of dissolved cl >10,000 mg/l?	hloride in the	☐ Yes ☒ No			
Condensa	ite	Volume Release			Volume Recovered (bbls)			
Natural G	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)			
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)			
	Cause of Release: Separator water dump valve cut out due to corrosion.							
BBL Estimate = $\left(\text{Saturated Soil Volume } (ft^3) / 4.21 \left(\frac{ft^3}{bbl} \text{ equivalent} \right) \right) x \text{ Estimated Soil Porosity } (\%)$								
	+ Recovered Fluids (bbl)							
	$((1,402 \times 0.25) / 4.21)) \times 0.15 + (10 \text{ bbls}) = $ Total: 22.48 bbls							

Received by OCD: 1/23/2024 1:00:02 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

Page 12 of 201

Incident ID	nAPP2323063169
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?			
release as defined by 19.15.29.7(A) NMAC?	Volume exceeded 25 bbls.				
19.13.29.7(A) INMAC!					
☐ Yes ⊠ No					
If YES, was immediate no	Lotice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?			
	ren to NMOCD on 8/18/2023 via website.	one when and of what means (phone, email, etc).			
	Initial Re	esponse			
The responsible	party must undertake the following actions immediatel	vunless they could create a safety hazard that would result in injury			
The source of the rele	ease has been stopped.				
The impacted area ha	s been secured to protect human health and	the environment.			
Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.			
	ecoverable materials have been removed and	•			
_	d above have <u>not</u> been undertaken, explain v				
if all the actions acsertoes	a doo ve have <u>nov</u> seen andertaken, explain	,			
		emediation immediately after discovery of a release. If remediation			
- 1		efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.			
		pest of my knowledge and understand that pursuant to OCD rules and factions and perform corrective actions for releases which may endanger			
public health or the environr	nent. The acceptance of a C-141 report by the O	CD does not relieve the operator of liability should their operations have			
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws			
and/or regulations.	r a C-141 report does not reneve the operator of	responsionity for compnance with any other rederat, state, or local laws			
District Name of Client Talls		T'A - FHG C '			
Printed Name: Clint Talle		Title: EHS Supervisor			
Signature: Clint 7	Talley	Date: <u>08/18/2023</u>			
		T.11			
email: Clinton.talley@ma	tadorresources.com	Telephone: <u>337-319-8398</u>			
OCD Onles					
OCD Only					
Received by:		Date:			

	Page 13 of 201
Incident ID	nAPP2323063169
District RP	
Facility ID	
Application ID	

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?	60 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ 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?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well Field data	ls.
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	

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.

Laboratory data including chain of custody

Received by OCD: 1/23/2024 1:00:02 AM Form C-141 State of New Mexico Oil Conservation Division Page 4

Page 14 of 201

Incident ID	nAPP2323063169
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the Gailed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Clint Talley	Title: EHS Supervisor
Signature: Clint Tallsy	Date: <u>08/18/2023</u>
email: Clinton.talley@matadorresources.com	Telephone: <u>337-319-8398</u>
OCD Only	
Received by:	Date:

State of New Mexico

	Page 15 of 20	1
Incident ID	nAPP2323063169	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be in	icluded 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(☐ Proposed schedule for remediation (note if remediation plan timeli	
Deferral Requests Only: Each of the following items must be confir	med as part of any request for deferral of remediation
 ☐ Contamination must be in areas immediately under or around prod deconstruction. ☐ Extents of contamination must be fully delineated. 	
☐ Contamination does not cause an imminent risk to human health, the	na anvironment, or groundwater
Contamination does not cause an imminent risk to numan hearth, in	the environment, or groundwater.
I hereby certify that the information given above is true and complete trules and regulations all operators are required to report and/or file cert which may endanger public health or the environment. The acceptance liability should their operations have failed to adequately investigate ar surface water, human health or the environment. In addition, OCD accresponsibility for compliance with any other federal, state, or local law	rain release notifications and perform corrective actions for releases e of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, reptance of a C-141 report does not relieve the operator of
Printed Name: Clint Talley T	itle: EHS Supervisor
Signature: Clint Tallsy 1	Date: <u>08/18/2023</u>
	Gelephone: <u>337-319-8398</u>
OCD Only	
Received by: I	Date:
Approved	proval Denied Deferral Approved
Signature: Da	nte:



APPENDIX B

Referenced Wells



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

05/14/2015

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:

Source:

Shallow

Log File Date: Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

PCW Rcv Date:

17 feet

Depth Water:

10 feet

Water Bearing Stratifications:

Top Bottom Description

0 17 Other/Unknown



New Mexico Office of the State Engineer Point of Diversion Summary

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*

S

Driller License: 1184

Driller Company: WEST TEXAS WATER WELL SERVICE

Driller Name: ROBERT W. COLLIS

Drill Start Date: 12/10/1989

Drill Finish Date: 12/10/1989 PCW Rcv Date:

Plug Date: 01/18/1991

Log File Date: 12/19/1989

Pipe Discharge Size:

Source: Shallow
Estimated Yield: 300 GPM

Pump Type: Pipe Casing Size: 6.00 Dept

Depth Well: 87 feet

Depth Water:

60 feet

Water Bearing Stratifications:

Top Bottom Description

60

85 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

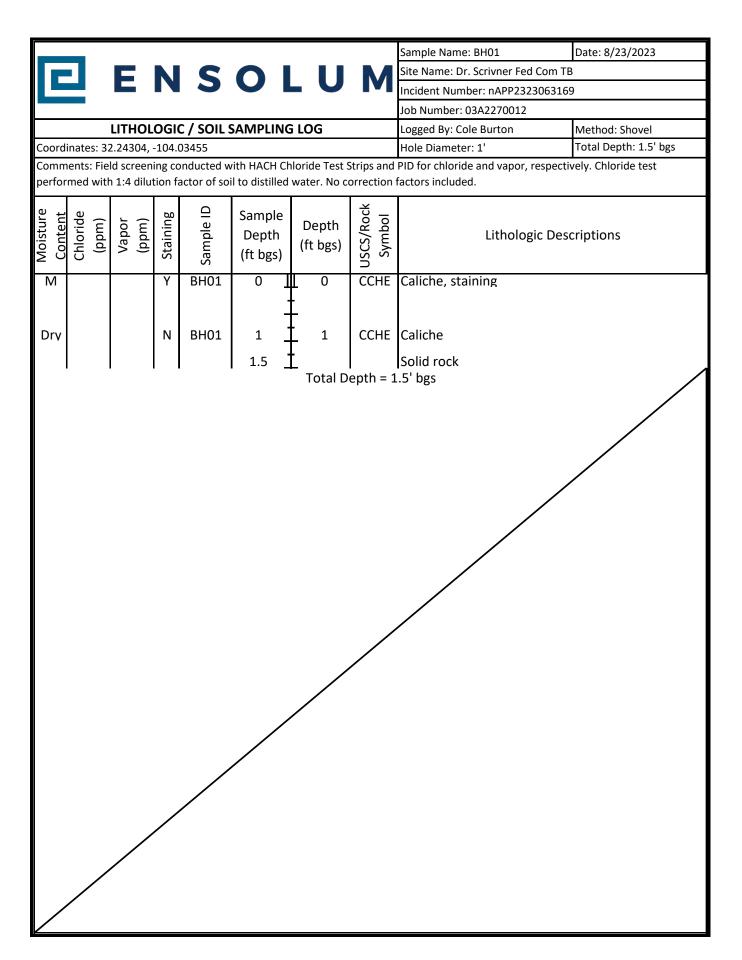
47

87



APPENDIX C

Lithologic Soil Sampling Logs



								Sample Name: BH02 Date: 12/20/2023
	7		NI	6	OL		RA	Site Name: Dr. Scrivner Fed Com TB
			N			_ U		Incident Number: nAPP2323063169
					Job Number: 03A2270012			
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: Ethan Haft Method: Drill
Coordi	nates: 32	2.243073	6, -10	4.0346513				Hole Diameter: 3" Total Depth: 16ft BGS
								PID for chloride and vapor, respectively. Chloride test factors included.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
М		NA	Υ	BH02	0 _	0	CCHE	Caliche, staining
					-	-		
Dry	2700	NA	N	BH02	1	1	ССНЕ	Caliche
Dry		NA	N	BH02	2	_ 2	GP-GC	Silt, clay, mudstone and limestone pebbles.
Dry	700	NA	N	BH02	3	_ 3	GP-GC	Poorly sorted, light brown. 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 <u>[</u>	-] 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	СН	Light brown powdery clay. Well sorted.
Dry	200	NA	N	BH02	15	15	СН	Same as above.
Dry	ND	NA	N	BH02	16	16	СН	Same as above.



APPENDIX D

Photographic Log

ENSOLUM

Photographic Log

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





Date: 08/18/2023

Photograph 1 Date: 08/18/2023

Description: Site Signage
View: Southwest

Photograph 2

Description: Spill Area
View: Southeast





Photograph 3 Date: 08/18/2023 Photograph 4 Date: 08/23/2023

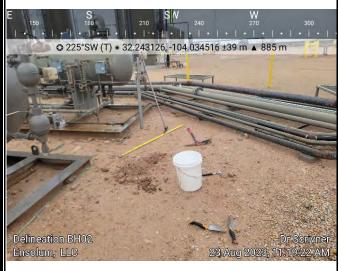
Description: Spill Area Description: Vertical Delineation

View: Southeast View: Southeast

ENSOLUM

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
Description: Release Extent

View: Southeast





Photograph 7
Description: Release Extent

View: South

Date: 08/18/2023 Photograph 8

Description: Vertical Delineation

View: West

Date: 09/29/2023

Date: 08/18/2023

Page 2 of 3

ENSOLUM

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

Page 3 of 3



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding 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

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labadmin@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01 - 0'	5
SS02 - 0'	6
SS03 - 0'	7
SS04 - 0'	8
BH01 - 0'	9
BH01 - 1'	10
BH02 - 0'	11
BH02 - 1.5'	12
QC Summary Data	13
QC - Volatile Organic Compounds by EPA 8260B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

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

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/2023 3:22:58PM

SS01 - 0' E308184-01

		Reporting					
Analyte	Result	Limit	Dilut	ion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA	Δ		Batch: 2335035
Chloride	836	20.0	1		08/29/23	08/30/23	



Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/2023:22:58PM

SS02 - 0'

E308184-02

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	į	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2335035
						08/30/23	· · · · · · · · · · · · · · · · · · ·



Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/20233:22:58PM

SS03 - 0'

E308184-03

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dii	ution	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	л		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2335035
Chloride	198	20.0		1	08/29/23	08/30/23	



Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/20233:22:58PM

SS04 - 0'

E308184-04

		Reporting					
Analyte	Result	Limit	Dilut	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2334086
Benzene	ND	0.0250	1	08/2	5/23	08/25/23	
Ethylbenzene	ND	0.0250	1	08/2:	5/23	08/25/23	
Toluene	ND	0.0250	1	08/2:	5/23	08/25/23	
o-Xylene	ND	0.0250	1	08/2:	5/23	08/25/23	
p,m-Xylene	ND	0.0500	1	08/2:	5/23	08/25/23	
Total Xylenes	ND	0.0250	1	08/2:	5/23	08/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	08/2.	5/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/2.	5/23	08/25/23	
Surrogate: Toluene-d8		96.1 %	70-130	08/2.	5/23	08/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2334086
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/2:	5/23	08/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	08/2.	5/23	08/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/2.	5/23	08/25/23	
Surrogate: Toluene-d8		96.1 %	70-130	08/2.	5/23	08/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2335048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30	0/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30	0/23	08/30/23	
Surrogate: n-Nonane		87.5 %	50-200	08/3	0/23	08/30/23	
1 I TID 1 200 0/00 T ()	mg/kg	mg/kg	A	Analyst: BA			Batch: 2335035
Anions by EPA 300.0/9056A		88					



Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/20233:22:58PM

BH01 - 0' E308184-05

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2335035
Chloride	31900	400	20	08/29/23	08/30/23	

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/20233:22:58PM

BH01 - 1' E308184-06

		E500104-00				
Anglista	Result	Reporting Limit	Diluti	ion Prepared	Analyzad	Notes
Analyte	Resuit	Limit	Diluti	ion rrepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: BA		Batch: 2335035
Chloride	10200	400	20	08/29/23	08/30/23	

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/20233:22:58PM

BH02 - 0' E308184-07

		22 00101 07				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: BA		Batch: 2335035
Chloride	18500	400	20	08/29/23	08/30/23	

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/31/20233:22:58PM

BH02 - 1.5' E308184-08

	D. k	Reporting		D		N
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ai	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ai	nalyst: BA		Batch: 2335035
Chloride	9210	400	20	08/29/23	08/30/23	



Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo8/31/2023 3:22:58PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			8/3	1/2023 3:22:58PI
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2334086-BLK1)							Prepared: 0	8/25/23 Analy	yzed: 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: 0	8/25/23 Analy	yzed: 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: 0	8/25/23 Analy	yzed: 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: 0	8/25/23 Analy	yzed: 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			
a	0.402		0.500		00.2	70 120			

0.500

0.500

98.3

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.492

0.482

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo8/31/2023 3:22:58PM

Nonhalogenated	Organics by	EPA 8015D	- CRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2334086-BLK1)						I	Prepared: 0	8/25/23 Analy	yzed: 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-RS2)						Ţ	Prenared: 0	8/25/23 Anals	wzed: 08/25/23

LCS (2334000-D32)					1 repared. 06/25/25 Analyzed. 06/25/25
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:	E308184-0	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/		
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			

Surrogate: n-Nonane

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo8/31/2023 3:22:58PM

Dallas 1A, 73240		67.	6/31/2023 3.22.361 WI						
	Nonha	logenated Or			Analyst: JL				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335048-BLK1)							Prepared: 0	8/30/23 Ana	lyzed: 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: 0	8/30/23 Ana	lyzed: 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: 0	8/30/23 Ana	lyzed: 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: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132	3.60	20	

50.0

78.0

50-200

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

		Analyst: BA							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335035-BLK1)							Prepared: 0	8/29/23 Anal	yzed: 08/30/23
Chloride	ND	20.0							
LCS (2335035-BS1)							Prepared: 0	8/29/23 Anal	yzed: 08/31/23
Chloride	250	20.0	250		99.9	90-110			

Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2335035-MS1)				Source: E	308184-01		Prepared: 08/2	9/23 Analyzed	: 08/30/23
Chloride	928	20.0	250	836	36.9	80-120			M2
Matrix Spike Dup (2335035-MSD1)	ISD1)				308184-01		Prepared: 08/2	9/23 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.



1	_of)	Reco
n VA			Received by OCD: 1/23/2024 1:00:0
RA			OCD:
			1/23/202
			4 1:00:0

oject Ma ddress: 3	Dr. Scrivner I		ompany.		Bill To				Lab U	se Oi	пу			4-1-6-1	TA	**	LIAI	rogram
ddress: 3	or octivite	Fed Com	ТВ		Attention: Matador Produ	ction Company	Lab W	/O#		Job	Numbe	er	1D	2D	3D	Standard	CWA	SDWA
	anager: Ash	nley Giov	engo		Address: on file		E30	18 18	34	23	1052-	1000				X		
	3122 Nation	nal Parks	Hwy		City, State, Zip:					Anal	ysis and	Method	d					RCRA
ty, State	e, Zip: Carlsl	oad NM,	88220		Phone: (337)319-8398		é					14						
none: 57	75-988-0055	5			Email: clinton.talley@mata	dorresources.con	1 8										State	
mail: agi	iovengo@er	nsolum.c	om				NO /	-			0.0		Σ×		X	NM CO	UT AZ	TX
eport du	ie by:							bv 8021	8260	601	e 30					×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015 BTEX h	VOC by	Metals 6010	Chloride 300.0		верос		GDOC		Remarks	5
9:22 8	8/23/2023	Soil	1 Jar		SS01 - 0'	1							x				,	
9:45 8	8/23/2023	Soil	1 Jar		SS02 - 0'	2							х					
8:54 8	8/23/2023	Soil	1 Jar		SS03 - 0'	3							х					
9:54 8	8/23/2023	Soil	1 Jar		SS04 - 0'	4							х					
10:15 8	8/23/2023	Soil	1 Jar		BH01 - 0'	5							х					
10:52 8	8/23/2023	Solid	1 Jar		BH01 - 1'	6							х					
10:49 8	8/23/2023	Soil	1 Jar		BH02 - 0'	7							х					
11:00 8	8/23/2023	Solid	1 Jar		BH02 - 1.5'	8							х					
									-									
dditiona	I Instruction	ns: Plea	ise CC: c	burton@ensolur	m.com, agiovengo@ensolum.c	om												
				ity of this sample. I an ay be grounds for legal	aware that tampering with or intentional action. Sampled by:	ly mislabelling the samp	le locatio	in,		0.0.0						ceived on ice the day ess than 6 °C on subs		pled or
	d by: Signatur			24-23 7:			23 (me 072	5	Rec	eived o	n ice:		ab Us	se On	ly		
Michi		ngalle	Date	14-23 1630	Received by: (Signature)	900 8-24	423	17/	15	<u>T1</u>			<u>T2</u>			<u>T3</u>		
Andle	d by: (Signatur	2550	Bate	.24.23 2	345 Could by Reproduced the	Ce 8/25/	23	5:3	30	AVO	G Temp	°c	1					

envirotech

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

Envirotech Analytical Laboratory

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)			
	-						
	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location man	tch the COC	Yes				
	imples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>ourier</u>		
	c COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	Yes	_		Comments	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>looler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		- I	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·	ners concerca.	105				
	field sample labels filled out with the minimum info	ormation.					
	imple ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does 1	he sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
	act Laboratory						
	mples required to get sent to a subcontract laborato	m/ ⁹	No				
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	· N A		
		i so wilo:	11/1	Subcontract Lab.	. INA		
Client In	struction						

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/13/23

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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labadmin@envirotech-inc.com

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Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01A - 0'	5
SS02A - 0'	6
BH02 - 2'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

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

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.



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	9/13/2023 2:52:38PM

SS01A - 0' E309043-01

	E309043-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2336095
ND	0.0250	1	09/09/23	09/11/23	
ND	0.0250	1	09/09/23	09/11/23	
ND	0.0250	1	09/09/23	09/11/23	
ND	0.0250	1	09/09/23	09/11/23	
ND	0.0500	1	09/09/23	09/11/23	
ND	0.0250	1	09/09/23	09/11/23	
	94.9 %	70-130	09/09/23	09/11/23	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2336095
ND	20.0	1	09/09/23	09/11/23	
	92.8 %	70-130	09/09/23	09/11/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2337003
ND	25.0	1	09/11/23	09/11/23	
ND	50.0	1	09/11/23	09/11/23	
	102 %	50-200	09/11/23	09/11/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2337012
184	20.0	1	09/11/23	09/12/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 94.9 % mg/kg MD 20.0 92.8 % mg/kg ND 25.0 ND 50.0 102 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MD 20.0 1 92.8 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 102 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/23 ND 0.0250 1 09/09/23 ND 0.0250 1 09/09/23 ND 0.0500 1 09/09/23 ND 0.0250 1 09/09/23 ND 0.0250 1 09/09/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/23 mg/kg mg/kg Analyst: KM ND 25.0 1 09/11/23 ND 50.0 1 09/11/23 ND 50.0 1 09/11/23 ng/kg mg/kg Analyst: KM	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/23 09/11/23 ND 0.0250 1 09/09/23 09/11/23 ND 0.0250 1 09/09/23 09/11/23 ND 0.0500 1 09/09/23 09/11/23 ND 0.0250 1 09/09/23 09/11/23 ND 0.0250 1 09/09/23 09/11/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/23 09/11/23 mg/kg mg/kg Analyst: KM ND 25.0 1 09/11/23 09/11/23 ND 50.0 0 0/11/23



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	9/13/2023 2:52:38PM

SS02A - 0' E309043-02

		E309043-02				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2337012
Chloride	45.4	20.0	1	09/11/23	09/12/23	



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	9/13/2023 2:52:38PM

BH02 - 2'

		E309043-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2337012
Chloride	2530	40.0	2	09/11/23	09/12/23	



Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2336095-BLK1) Prepared: 09/09/23 Analyzed: 09/11/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.75 95.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.75 0.0250 5.00 95.0 70-130 4.77 0.0250 5.00 95.4 70-130 Toluene 95.2 o-Xylene 4.76 0.0250 5.00 70-130 9.70 10.0 97.0 70-130 0.0500 p.m-Xvlene 96.4 70-130 14.5 15.0 Total Xylenes 0.0250 8.00 94.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.59 Matrix Spike (2336095-MS1) Source: E309039-01 Prepared: 09/09/23 Analyzed: 09/11/23 4.65 0.0250 5.00 ND 54-133 Benzene 61-133 Ethylbenzene 4.66 0.0250 5.00 ND 93.1 Toluene 4.70 0.0250 5.00 ND 94.0 61-130 ND 93.6 63-131 4.68 5.00 0.0250 o-Xylene p,m-Xylene 9.53 0.0500 10.0 ND 95.3 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.40 8.00 Matrix Spike Dup (2336095-MSD1) Source: E309039-01 Prepared: 09/09/23 Analyzed: 09/11/23 4.49 0.0250 5.00 ND 89.8 54-133 3.55 20 61-133 3.94 4.48 0.0250 5.00 ND 89.5 20 Ethylbenzene 61-130 Toluene 4 51 0.0250 5.00 ND 90.3 4.06 20 4.50 5.00 ND 90.0 63-131 3.84 20 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

91.5

91.0

92.1

63-131

63-131

70-130

4.03

3.97

20

20

ND

ND



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.15

13.7

7.36

QC Summary Data

Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			9/13	3/2023 2:52:38PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		A	nalyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 Analy	zed: 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: 0	9/09/23 Analy	zed: 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: 0	9/09/23 Analy	zed: 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: 0	9/09/23 Analy	zed: 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			

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo9/13/20232:52:38PM

,		,			5 -				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337003-BLK1)							Prepared: 0	9/11/23 Ana	alyzed: 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: 0	9/11/23 Ana	alyzed: 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: 0	9/11/23 Ana	alyzed: 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: 0	9/11/23 Ana	alyzed: 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			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dr. Scrivner Fed Com TB 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/13/2023 2:52:38PM
	Anions by	EPA 300 0/9056A	A 1 (DA

Anions by EPA 300.0/9056A								Analyst: BA				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2337012-BLK1)							Prepared: 0	9/11/23 An	nalyzed: 09/11/23			
Chloride	ND	20.0										
LCS (2337012-BS1)							Prepared: 0	9/11/23 An	nalyzed: 09/11/23			
Chloride	244	20.0	250		97.5	90-110						
Matrix Spike (2337012-MS1)				Source:	E309039-	01	Prepared: 0	9/11/23 An	nalyzed: 09/11/23			
Chloride	587	200	250	361	90.2	80-120						
Matrix Spike Dup (2337012-MSD1)				Source:	E309039-	01	Prepared: 0	9/11/23 An	nalyzed: 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 TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo09/13/23 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.



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		EF	A Pr	ogra	m
	rd	CV	VA	SD	WA
(RC	RA
-		Sta	ate		
M	CO	UT	AZ	TX	
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		Rem	arks		
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Client: N	Matador Pro	duction C	Company.			Bill To		51			The Assessment of the State of	se Or						AT		EPA P	rogram
Project:	Dr. Scrivner	Fed Com	1 TB			Attention: Matador Production	Company	Lab	WO!	#		Job	Num	ber	1D	2D	3D	St	andard	CWA	SDWA
	Manager: As					Address: on file		Lab WO# E 309043		13	23	252	3.000	1				X			
Address:	3122 Natio	nal Parks	Hwy			City, State, Zip:								nd Meth							RCRA
City, Stat	te, Zip: Carls	bad NM,	88220			Phone: (337)319-8398			by	617											
Phone: !	575-988-005	5				Email: clinton.talley@matadorre	sources.con		BO BO											State	
Email: a	giovengo@e	nsolum.c	com		1			1	0/0				0		ΣN	1			NM CO	UT AZ	TX
Report d	ue by:								MO/DR	8021	3260	010	300			1	×		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	втех by	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:03	9/5/2023	Soil	1 Jar			SS01A - 0'						-			x						
9:06	9/5/2023	Soil	1 Jar		-	SS02A - 0'	2								х						
9:00	9/5/2023	Solid	1 Jar			BH02 - 2'	3								х						
						1 11 02															
					-																
					-				+		-						-				
Addition	al Instructio	ns: Plea	ase CC: cb	urton@enso	lum.c	om, agiovengo@ensolum.com									1_						
				A STATE OF THE PARTY OF THE PAR		are that tampering with or intentionally misla	belling the samp	le loc	cation,			1							on ice the day		led or
	ed by: (Signatur		Date	be grounds for le		Received by: (Signature)	Date 9-6-1	3	Time	707	,			d on ice:	ļ		Jse Or				
	ed by: (Signatur		Date	Time		Descripted how (Cinnetums)	Date 9.6.		Time			T1	eivel	a on ice.	T2	ייע			T3		
Relinquish	ed by: (Signatur	W450	Date	7.23 E		Received by Signature Man	9/7/2	3	Time				i Ten	np °C	4						
sample Mat	rix: S - Soil, Sd - S			eous, O - Other_			Containe	r Ty				_		-	ber g	lass,	v - VO	A			
					unless o	ther arrangements are made. Hazardo													ort for the a	analysis of	he above
						with this COC. The liability of the laborat									CHCIIC.	capen	JC. 11	ic rep	ore for the c		inc abi



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

Envirotech Analytical Laboratory

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 1	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)						
	ne sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>Co</u>	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		· • • · · · · · <u> </u>	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·	ners conceica.	105				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	ormation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
-	imples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab:	NA		
				Saccontract Eac.	. 1 1111		
Chent In	<u>istruction</u>						

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 3'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

Γ	Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Reported:	
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reporteu:	
l	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.



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	10/6/2023 12:12:23PM

BH02 - 3' E309246-01

sult	Reporting Limit					
	Lillit	Dil	ution	Prepared	Analyzed	Notes
/kg	mg/kg		Analyst:	IY		Batch: 2340006
D	0.0250		1	10/02/23	10/03/23	
D	0.0250		1	10/02/23	10/03/23	
D	0.0250		1	10/02/23	10/03/23	
D	0.0250		1	10/02/23	10/03/23	
D	0.0500		1	10/02/23	10/03/23	
D	0.0250		1	10/02/23	10/03/23	
ç	95.3 %	70-130		10/02/23	10/03/23	
/kg	mg/kg		Analyst:	IY		Batch: 2340006
D	20.0		1	10/02/23	10/03/23	
ç	99.0 %	70-130		10/02/23	10/03/23	
/kg	mg/kg		Analyst:	JL		Batch: 2340044
D	25.0		1	10/03/23	10/05/23	
D	50.0		1	10/03/23	10/05/23	
	104 %	50-200		10/03/23	10/05/23	
/kg	mg/kg		Analyst:	BA		Batch: 2340067
40	20.0		1	10/04/23	10/05/23	
	D D D D D D D D V/kg D D V/kg D D V/kg	D 0.0250 D 0.0250 D 0.0250 D 0.0250 D 0.0500 D 0.0500 D 0.0250 D 20.0 95.3 % /kg mg/kg D 20.0 99.0 % /kg mg/kg D 25.0 D 50.0 104 %	D 0.0250 D 0.0250 D 0.0250 D 0.0250 D 0.0250 D 0.0500 D 0.0250 D 0.0250 D 0.0250	D 0.0250 1 D 0.0500 1 D 0.0250 1	D 0.0250 1 10/02/23 D 0.0500 1 10/02/23 D 0.0250 1 10/02/23 D 0.0250 1 10/02/23 95.3 % 70-130 10/02/23 /kg mg/kg Analyst: IY D 20.0 1 10/02/23 /kg mg/kg Analyst: JL D 25.0 1 10/03/23 D 25.0 1 10/03/23 D 50.0 1 10/03/23 /kg mg/kg Analyst: JL	D 0.0250 1 10/02/23 10/03/23 D 0.0500 1 10/02/23 10/03/23 D 0.0250 1 10/02/23 10/03/23 D 0.0250 1 10/02/23 10/03/23 95.3 % 70-130 10/02/23 10/03/23 /kg mg/kg Analyst: IY D 20.0 1 10/02/23 10/03/23 /kg mg/kg Analyst: JL D 25.0 1 10/03/23 10/03/23 D 25.0 1 10/03/23 10/05/23 D 50.0 1 10/03/23 10/05/23 104 % 50-200 10/03/23 10/05/23



o-Xylene

p,m-Xylene

Total Xylenes

QC Summary Data

Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 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 5.32 5.00 106 70-130 0.0250 Benzene Ethylbenzene 5.24 0.0250 5.00 105 70-130 70-130 5.31 0.0250 5.00 106 Toluene 5.26 105 70-130 o-Xylene 0.0250 5.00 10.7 10.0 107 70-130 0.0500 p.m-Xvlene 106 70-130 15.9 0.0250 15.0 Total Xylenes 8.00 95.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.67 Source: E309229-01 Matrix Spike (2340006-MS1) Prepared: 10/02/23 Analyzed: 10/03/23 Benzene 5.23 0.0250 5.00 ND 54-133 ND 103 61-133 Ethylbenzene 5.16 0.0250 5.00 Toluene 5.22 0.0250 5.00 ND 104 61-130

Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			
Matrix Spike Dup (2340006-MSD1)				Source	: E309229-	01	Prepared: 10	0/02/23 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			

5.00

10.0

0.0250

0.0500

0.0250

ND

ND

ND

104

105

63-131

63-131

63-131

5.19

10.5

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:12:23PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			1	0/6/2023 12:12:23PM
		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: 1	0/02/23 An	alyzed: 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: 1	0/02/23 An	alyzed: 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: 1	0/02/23 An	alyzed: 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: 1	0/02/23 An	alyzed: 10/03/23
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	

8.00

7.42

92.8

70-130

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:12:23PM

Dullus 171, 732 10		Troject Manage		mey Groveng	,-					
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2340044-BLK1)							Prepared: 1	0/03/23 Ana	lyzed: 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: 1	0/03/23 Ana	lyzed: 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:	Source: E309228-03		Prepared: 1	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: 1	0/03/23 Ana	lyzed: 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				

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

Anions by EPA 300.0/9056A												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2340067-BLK1)				Prepared: 10/04/23 Analyzed: 10/								
Chloride	ND	20.0										
LCS (2340067-BS1)							Prepared: 1	0/04/23 Anal	yzed: 10/05/23			
Chloride	262	20.0	250		105	90-110						
Matrix Spike (2340067-MS1)				Source:	E309245-	01	Prepared: 1	0/04/23 Anal	yzed: 10/05/23			
Chloride	439	20.0	250	182	103	80-120						
Matrix Spike Dup (2340067-MSD1)				Source:	E309245-	01	Prepared: 1	0/04/23 Anal	yzed: 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 TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/06/23 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.					Bill To				La	ab U	se Or	nly				TA	AT	EPA P	rogram	
Project:	Dr. Scrivner	Fed Com	TB			Attention: Matador Production	Company	Lat	wo#	† .		Job Number				2D	3D	Standard	CWA	SDWA
Project N	Manager: As	hley Giov	/engo			Address: on file		E	309	124	0	0 23052000						X		
	3122 Natio					City, State, Zip:						Analysis and Metho								RCRA
City, Stat	te, Zip: Carls	bad NM,	88220			Phone: (337)319-8398			by											
Phone:	575-988-005	5				Email: clinton.talley@matadorre	sources.cor	n	ORO										State	
Email: a	giovengo@e	nsolum.c	om						RO/0	н	0	_	0.0		ΣZ	≥ NM CO UT AZ		TX		
Report o	ue by:								0/0	802	826	5010	300.0							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		верос		GDOC		Remarks	
8:30	9/29/2023	Soil	1 Jar			BH02 - 3'									х				-	
													H							
					_			-	-				-		-	-				
Addition	al Instructio	ns: Plea	se CC: cl	ourton@enso	lum.	com, agiovengo@ensolum.com, cl	namilton@e	enso	olum.c	om.	ehaf	t@e	nsoli	um.com						
						, -8 8 - C , -				,										
						ware that tampering with or intentionally mislal tion. Sampled by:	elling the samp	ole loc	ation,			C-30-4 V						ceived on ice the day ess than 6 °C on subs	The state of the s	led or
Relinquish	late or time of collection is considered fraud and may be grounds for legal action. Sampled by: Selinquished by: Signature) Date 9-29-23 Time 9-29-23 Received by: Signature Under the considered fraud and may be grounds for legal action. Sampled by: Sampled by: Sampled by: Signature 1-29-23 Time 1-29-23					9-29-	B	Time	22	3	Rec	eive	d on ice:	Lab Use Only (YY) N		ly				
and		us	Date 9-2	Time		Received by: (Signature)	Date 9-33 Time 1730 T1 T2				<u>T3</u>									
Relinquish	d by: (Signatur	e) /	Date	29-23 2	33	Received by: (Signature)	Date Q-30	2	Time	130	5	AVG	i Ter	np °C	4					
Sample Mat	rix: S - Soil, Sd - S	olid, S g - Slu	dge, A - Aqu	eous, O - Other			Containe	er Ty	pe:g-	glass	p-p			c, ag - aml	oer g	lass, v	- VOA	A		
Note: Sam	ples are discard	ed 30 days	after resu	ts are reported i	unless	other arrangements are made. Hazardou													analysis of	he above
samples is	applicable only	to those sa	amples rec	eived by the labo	orator	y with this COC. The liability of the laborat	ory is limited t	to the	amou	nt pai	d for	on the	e repo	ort.						



Page 71 of 201

envirotech Inc.

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

Envirotech Analytical Laboratory

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 Orde	er 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)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>urier</u>		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Cor</u>	nment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contai		Yes				
Field Lal	•						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborate	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: 1	NA		
Client Ir	nstruction_						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 4'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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	Donoutoda	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:	
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.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/6/2023 12:13:56PM

BH02 - 4' E309247-01

	E309247-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2340006
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0500	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
	96.3 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Analy	st: IY		Batch: 2340006
ND	20.0	1	10/02/23	10/03/23	
	98.4 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Analy	st: JL		Batch: 2340044
ND	25.0	1	10/03/23	10/05/23	
ND	50.0	1	10/03/23	10/05/23	
	109 %	50-200	10/03/23	10/05/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2340067
	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 98.4 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 25.0 1 mg/kg mg/kg Analy mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0500 1 10/02/23 ND 0.0250 1 10/02/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 ND 50.0 1 10/03/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0500 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 10/05/23 ND 25.0 1 10/03/23 10/05/23 10/05/23 ND 50.0 1 10/03/23 10/05/23

Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 5.32 106 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.24 0.0250 5.00 105 70-130 5.31 0.0250 5.00 106 70-130 Toluene o-Xylene 5.26 0.0250 5.00 105 70-130 10.7 10.0 107 70-130 0.0500 p.m-Xvlene 70-130 15.9 15.0 106 Total Xylenes 0.0250 8.00 95.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.67 Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23 5.23 0.0250 5.00 ND 54-133 Benzene ND 103 61-133 Ethylbenzene 5.16 0.0250 5.00 Toluene 5.22 0.0250 5.00 ND 104 61-130 5.19 ND 104 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.69 8.00 Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

5.07

4.99

5.05

5.03

10.1

15.2

7.66

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

99.7

101

101

101

101

95.7

54-133

61-133

61-130

63-131

63-131

63-131

70-130

3.18

3.51

3 40

3.11

3.49

3.36

20

20

20

20

20

20



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:13:56PM

	Non	halogenated (Organics l	oy EPA 801	15D - GI	RO			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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Ana	lyzed: 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:	E309229-0)1	Prepared: 1	0/02/23 Ana	lyzed: 10/03/23		
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130					
			8.00		95.7	70-130					

50.0

8.00

ND

92.8

70-130

70-130

6.86

20

51.3

7.42

20.0



Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:13:56PM

Danas 1X, 73240		1 Toject Wianage	. 710	mey Gloveng	50			-	0/0/2023 12:13:3011
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340044-BLK1)							Prepared: 1	0/03/23 An	alyzed: 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: 1	0/03/23 An	alyzed: 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:	E309228-0	03	Prepared: 1	0/03/23 An	alyzed: 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:	E309228-0	03	Prepared: 1	0/03/23 An	alyzed: 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			

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

	Anions by EPA 300.0/9056A											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
lank (2340067-BLK1) Prepared: 10/04/23												
Chloride	ND	20.0										
LCS (2340067-BS1)							Prepared: 1	0/04/23 Ana	lyzed: 10/05/23			
Chloride	262	20.0	250		105	90-110						
Matrix Spike (2340067-MS1)				Source:	E309245-	01	Prepared: 1	0/04/23 Ana	lyzed: 10/05/23			
Chloride	439	20.0	250	182	103	80-120						
Matrix Spike Dup (2340067-MSD1)				Source:	E309245-	01	Prepared: 1	0/04/23 Ana	lyzed: 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 TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/06/23 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.



1	Received b.
	y OCD:
	1/23/20
	24 1:00:0
	2AM

lient: N	Natador Prod	luction C	omnany			Bill To				- 91	15	h He	Jse Only				-	TA	AT.	EPA PI	rogran
	Dr. Scrivner				A	ttention: Matador Produc						Numb	er	10	2D	3D	Standard	CWA	SDW		
	Manager: As				1 1-	ddress: on file										-	-	30	Х		301
	3122 Natio				1 1	ity, State, Zip:									Metho	d					RCI
City, Stat	e, Zip: Carls	bad NM,	88220		P	hone: (337)319-8398				à											
	575-988-005				E	mail: clinton.talley@mata	dorreso	urces.com		2										State	
	giovengo@e	nsolum.c	Phone: (337)319-8398 Email: clinton.talley@matadorresources.com Natrix No. of Containers Sample ID Phone: (337)319-8398 Email: clinton.talley@matadorresources.com Number					00	0	0.00		Z		X	NM CO	UT AZ	TX				
Report d	ue by:							·	1 15	40/0	y 80	/ 826	601	le 30					×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	1	8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
8:42	9/29/2023	Soil	1 Jar			BH02 - 4'		1								x				AMEST CHI	
										_					_	-					
				4	_																
ddition	al Instructio	ns: Plea	ase CC: cl	burton@ensol	um.co	m, agiovengo@ensolum.co	om, chai	milton@e	ensolu	m.co	om,	ehaf									
				ity of this sample. I a ay be grounds for leg		e that tampering with or intentionall n. <u>Sampled by:</u>	ly mislabelli	ing the samp	le locati	on,			1		7				eceived on ice the day less than 6 °C on subs		led or
telinquish	ed by (Signatur	int	Date 9.	29-23 3	:53			Date 9-29:	23		55	3	Rece	eived (on ice:		Lab U		nly		
Ma	ed by: (Signatur	48			130	Received by: (Signature)		9-29	=23	17.	30)	T1			<u>T2</u>			<u>T3</u>		
Ma	ed by: (Signatured) by: (Signatured)	48	Q-	Time	130	Received by: (Signature)		9-29 Date	=23	17	30		<u>T1</u>			T2			<u>T3</u>		



or disposed of at the client expense. The report for the analysis of the above on the report.

Continuous entroite entro

Page 83 of 201

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

Envirotech Analytical Laboratory

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	9:30		Work Order ID:	E309247
Phone:	(972) 371-5200	Date Logged In:	09/29/23 19	0.40		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:		7:00 (4 day TAT)		Logged III By.	Alexa Wieliaels
Linuii.	ugiovingo@ensorum.com	Due Dute.	10/00/25 1	7.00 (Tuly 1711)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted i	•				Comment	s/Resolution
0 1 5	i.e, 15 minute hold time, are not included in this disucssi	ion.		Г		Comment	<u> </u>
	Furn Around Time (TAT)		37				
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample 6			Vec				
	sample cooler received? was cooler received in good condition?		Yes				
•	-		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample (Container_						
14. Are a	queous VOC samples present?		No				
15. Are \	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum infe	ormation:					
	ample ID?		Yes				
	Oate/Time Collected? Collectors name?		Yes	_			
	Preservation		Yes				
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved r	netals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha	ise?	No				
	, does the COC specify which phase(s) is to be anal		NA				
		, 2541	11/2				
	ract Laboratory	9	NT.				
	amples required to get sent to a subcontract laborate	-	No NA	C 1 4 4 T 1			
	a subcontract laboratory specified by the client and i	i so wiio?	NA	Subcontract Lab	: na		
Client I	<u>nstruction</u>						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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: 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

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

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 5'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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:	Donoutoda	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 12:15

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



Sample Data

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	10/6/2023 12:15:16PM

BH02 - 5' E309248-01

		1207240 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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		96.5 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		117 %	50-200	10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2340067
Chloride	626	20.0	1	10/04/23	10/06/23	



Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 5.32 106 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.24 0.0250 5.00 105 70-130 5.31 0.0250 5.00 106 70-130 Toluene o-Xylene 5.26 0.0250 5.00 105 70-130 10.7 10.0 107 70-130 0.0500 p.m-Xvlene 70-130 15.9 15.0 106 Total Xylenes 0.0250 8.00 95.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.67 Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23 5.23 0.0250 5.00 ND 54-133 Benzene ND 103 61-133 Ethylbenzene 5.16 0.0250 5.00 Toluene 5.22 0.0250 5.00 ND 104 61-130 5.19 ND 104 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.69 8.00 Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

5.07

4.99

5.05

5.03

10.1

15.2

7.66

0.0250

0.0250

0.0250

0.0250

0.0500

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5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

99.7

101

101

101

101

95.7

54-133

61-133

61-130

63-131

63-131

63-131

70-130

3.18

3.51

3 40

3.11

3.49

3.36

20

20

20

20

20

20



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:15:16PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			1	0/6/2023 12:15:16PN
	Non	halogenated		Analyst: RAS					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340006-BLK1)							Prepared: 1	0/02/23 An	alyzed: 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: 1	0/02/23 An	alyzed: 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: 1	0/02/23 An	alyzed: 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: 1	0/02/23 An	alyzed: 10/03/23
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	

8.00

7.42

92.8

70-130

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:15:16PM

Danas 1X, 73240		1 Toject Wianage	. 110	mey Gloveng	50				10/0/2025 12:15:1011
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340044-BLK1)							Prepared: 1	0/03/23 Ar	nalyzed: 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: 1	0/03/23 Ar	nalyzed: 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:	E309228-0	03	Prepared: 1	0/03/23 Ar	nalyzed: 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:	E309228-0	03	Prepared: 1	0/03/23 Ar	nalyzed: 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			

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

Anions by EPA 300.0/9056A											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2340067-BLK1)							Prepared: 1	0/04/23 Anal	yzed: 10/05/23		
Chloride	ND	20.0									
LCS (2340067-BS1)							Prepared: 1	0/04/23 Anal	yzed: 10/05/23		
Chloride	262	20.0	250		105	90-110					
Matrix Spike (2340067-MS1)				Source:	E309245-	01	Prepared: 10	0/04/23 Anal	yzed: 10/05/23		
Chloride	439	20.0	250	182	103	80-120					
Matrix Spike Dup (2340067-MSD1)				Source:	E309245-	01	Prepared: 10	0/04/23 Anal	yzed: 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 TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/06/23 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.



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Client: N	Natador Pro	duction (Company.			Bill To				Lab Use Only TAT EPA Pr				ogram						
	Dr. Scrivner					Attention: Matador Production	Company	Lab	Lab WO# Job Number				1D	2D	3D	Standard	CWA	SDWA		
Project N	Manager: As	hley Gio	vengo			Address: on file		E3	309	24	8			1000 E				х	1	100000000000000000000000000000000000000
Address:	3122 Natio	nal Parks	Hwy			City, State, Zip:								nd Method	1					RCRA
City, Stat	e, Zip: Carls	bad NM	88220			Phone: (337)319-8398			by											
Phone:	575-988-005	5				Email: clinton.talley@matadorr	esources.cor	1	80										State	
Email: a	giovengo@e	ensolum.	com		("				0/0	-	2.7		0.		ΣN	1		NMI CO	UT AZ	TX
Report d	ue by:								J/DR	802	3260	010	300		1,370		¥	×	3.1	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC	×	Remarks	
8:46	9/29/2023	Soil	1 Jar			BH02 - 5'							0		х			_		A P. 13
									Н											
Addition	al Instructio	ns: Plea	ase CC: cb	urton@enso	olum.	com, agiovengo@ensolum.com, o	thamilton@e	nsol	lum.co	om, e	ehaf	t@er	ısolu	ım.com						
						vare that tampering with or intentionally misla	abelling the samp	le loca	ation,									ceived on ice the day		ed or
			-	y be grounds for I								receive	d pack	ed in ice at an a	vg tem	p abov	e 0 but le	ess than 6 °C on subs	equent days.	
2	1/0	か			5.5		9-29-2	3	Time 15	53		Rece	eived	on ice:		y N	se Onl	y		
Mice		uyle			730		9-29	-23	Time 17	30	, U	T1			T2			T3		
Relinquish	ed by: (Signatu	re) 💆	Date 9 =	29-23 Time	233	Received by: (Signature)	Date 9:36.	22	Time	130	5	AVG	Tem	p°c L	+					
	trix: S - Soil, Sd - S						Containe	Type	e: g - g	lass.	p - p	oly/p	lastic	ag - amb	er gla	155. V	- VOA			
Note: Sam	ples are discard	ded 30 days	after resul	ts are reported	unless	other arrangements are made. Hazardo	us samples will	be re	turned	to cli	ent o	r disp	osed	of at the cli	ent ex	pens	e. The	report for the	analysis of th	ne above



e client expense. The report for the analysis of the above

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

Envirotech Analytical Laboratory

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 o	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location mat	ch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in		Yes			Commont	s/Resolution
Sample	i.e, 15 minute hold time, are not included in this disucssic Turn Around Time (TAT)	on.				Comment	s/Resolution
	ee COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	•						
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	ne sample(s) received intact, i.e., not broken?						
	e custody/security seals present?		Yes				
			No				
-	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
	Container						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La							
	e field sample labels filled out with the minimum info	ormation:	37				
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes Yes				
	Preservation		105				
	the COC or field labels indicate the samples were pr	eserved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved m	netals?	No				
	ase Sample Matrix						
	s the sample have more than one phase, i.e., multipha	sa?	No				
	s, does the COC specify which phase(s) is to be analy		No				
		/zcu:	NA				
	ract Laboratory						
	samples required to get sent to a subcontract laborator	~	No				
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: na		
Client 1	<u>Instruction</u>						
							1

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

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labadmin@envirotech-inc.com

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 6'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

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

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



Sample Data

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	10/6/2023 12:17:21PM

BH02 - 6' E309249-01

	E309249-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2340006
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0500	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
	96.1 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Analy	st: IY		Batch: 2340006
ND	20.0	1	10/02/23	10/03/23	
	99.3 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Analy	st: JL		Batch: 2340044
ND	25.0	1	10/03/23	10/05/23	
ND	50.0	1	10/03/23	10/05/23	
·	111 %	50-200	10/03/23	10/05/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2340067
923	20.0	1	10/04/23	10/06/23	
	mg/kg ND ND ND ND ND ND ND ND ND mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 111 % 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0500 1 10/02/23 ND 0.0250 1 10/02/23 MD 0.0250 1 10/02/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 ND 50.0 1 10/03/23 ND 50.0 1 10/03/23 ND 50.0 1 10/03/23 ng/kg mg/kg Analyst: BA	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0500 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 MD 0.0250 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 10/05/23 ND 25.0 1 10/03/23 10/05/23 ND 50.0 1 10/03/23 10/05/23 ND 50.0 1 10/03/23 10/05/23

		<u> </u>				
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			
VI. II. O						

Dallas TX, 75240		Project Number: Project Manager:		shley Giovengo)			10/	6/2023 12:17:21PM
		Volatile O		y EPA 8021					Analyst: RAS
Analyte		Reporting	Spike	Source		Rec	D.D.D.	RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
Blank (2340006-BLK1)							Prepared: 10	0/02/23 Anal	yzed: 10/03/23
Benzene	ND	0.0250							-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
-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	0/02/23 Anal	yzed: 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			
-Xylene	5.26	0.0250	5.00		105	70-130			
o,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: E	E309229-	01	Prepared: 10	0/02/23 Anal	yzed: 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			
-Xylene	5.19	0.0250	5.00	ND	104	63-131			
o,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: E	2309229-0	01	Prepared: 10	0/02/23 Anal	yzed: 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	
-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
	10.1	0.0500	10.0	NID	101	(2.121	2.40	20	
o,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	

8.00

95.7

70-130

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:17:21PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			10	0/6/2023 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		
Blank (2340006-BLK1)							Prepared: 1	0/02/23 Ana	alyzed: 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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Ana	lyzed: 10/03/23		
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20			

8.00

7.42

92.8

70-130

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 12:17:21PM

Danas 1A, 75240		1 Toject Wianage	. 110	mey Gloveng	50				10/0/2023 12:17:2111
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340044-BLK1)							Prepared: 1	0/03/23 Aı	nalyzed: 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: 1	0/03/23 Aı	nalyzed: 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:	E309228-0	03	Prepared: 1	0/03/23 Aı	nalyzed: 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:	E309228-0	03	Prepared: 1	0/03/23 Aı	nalyzed: 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			

Matrix Spike Dup (2340067-MSD1)

Chloride

446

QC Summary Data

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

Anions by EPA 300.0/9056A Analyst: BA								Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340067-BLK1)							Prepared: 1	0/04/23 Ana	lyzed: 10/05/23
Chloride	ND	20.0							
LCS (2340067-BS1)							Prepared: 1	0/04/23 Ana	lyzed: 10/05/23
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2340067-MS1)	Matrix Spike (2340067-MS1) Source: E309245-01 Prepared: 10/							0/04/23 Ana	lyzed: 10/05/23
Chloride	439	20.0	250	182	103	80-120			

250

20.0

Source: E309245-01

105

80-120

1.52

182

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.



Prepared: 10/04/23 Analyzed: 10/05/23

20

Definitions and Notes

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/06/23 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.



f	Rec
	eived
	by
	OCD:
	1/23/2024
	1:00:02

Client: Matador Production Company. Project: Dr. Scrivner Fed Com TB						Bill To				Lab Use Only					TAT					EPA P	rogram	
					At	Attention: Matador Production Company Address: on file			Lab WO# J			Job Number			2D	3D	Standard		CWA	SDW		
Project Manager: Ashley Giovengo				A	E30924				91	23052000		1				X						
Address: 3122 National Parks Hwy						City, State, Zip:							Analy	sis and	Method	4						RCR.
	e, Zip: Carls		88220		Pl	none: (337)319-8398			24	ha n												
Phone: 575-988-0055					<u>Er</u>	Email: clinton.talley@matadorresources.com			TPH GRO/DRO/ORO by	5											State	
Email: agiovengo@ensolum.com								JKO.		21	00	0	0.00		ΣZ		×	N	1W CO	UT AZ	TX	
Report d	ue by:	_							20/0	10/1	y 80	/826	601	le 30						×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			100	Lab umber	TDHGT	8015	ВТЕХ БУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос		GDOC			Remarks	
8:55	9/29/2023	Soil	1 Jar			BH02 - 6'										х				ordinal Store	sillo Just	oo (111 oo)
										1												
Addition	al Instruction	ıs: Plea	se CC: cl	urton@ensolu	ım.con	n, agiovengo@ensolum.c	om, chamilt	ton@e	nsolur	m.co	m, e	haft	@en	solun	n.com							
				ty of this sample. I a		that tampering with or intentiona	ly mislabelling t	he sample	e locatio	on,		- 1								ice the day to	hey are samp	led or
	by: Canatur					Received by: (Signature)	Dat	29-2	3	ime 15°	52				n ice:			3.10377				
	ed by: (Signatur		Date	29-23 Time 175		Received by: (Signature)	Dat	-29-	IT	ime	30)	T1	., v Cu C	11 100,	T2	יו וע		T	3		
elinquish	by: (Signatur	e)/	Date	Time	30	Received by: (Signature)	A Dat	.26 °	\mathcal{D}^{T}	ime	2 (Temp	0.0	T						



e client expense. The report for the analysis of the above

Page 107 of 201

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

Envirotech Analytical Laboratory

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 0	99:30		Work Order ID:	E309249
Phone:	(972) 371-5200	Date Logged In:	09/29/23 1	9:41		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 1	7:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa	Custody (COC) e sample ID match the COC? e number of samples per sampling site location ma imples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, reque		Yes Yes Yes Yes	Carrier: <u>C</u>	<u>Courier</u>		
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes	r		<u>Comment</u>	s/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	•						
	ample cooler received?		Yes				
	vas cooler received in good condition?		Yes				
•	sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	were custody/security seals intact?		No				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	NA Yes				
	risible ice, record the temperature. Actual sample	e temperature: 4-0	<u>~</u>				
Sample C			3.7				
-	jueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?	0	NA				
	on-VOC samples collected in the correct containers		Yes				
	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa	<u>el</u> field sample labels filled out with the minimum info ample ID? ate/Time Collected?	ormation:	Yes				
	ollectors name?		Yes Yes				
	reservation		103				
	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved n	netals?	No				
Multiphas	se Sample Matrix						
	he sample have more than one phase, i.e., multipha	ise?	No				
	does the COC specify which phase(s) is to be analy		NA				
		•	1112				
	act Laboratory mples required to get sent to a subcontract laborato	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: na		
Client In	<u>struction</u>						

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

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

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 reguarding 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

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Raina Schwanz

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 7'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

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

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

BH02 - 7' E309250-01

	E309230-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2340006
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0500	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
	97.0 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2340006
ND	20.0	1	10/02/23	10/03/23	
	99.5 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2340054
ND	25.0	1	10/03/23	10/05/23	
ND	50.0	1	10/03/23	10/05/23	
	83.4 %	50-200	10/03/23	10/05/23	
_	_		. 75.4		5 1 2240074
mg/kg	mg/kg	Anal	yst: BA		Batch: 2340074
	mg/kg ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 mg/kg mg/kg ND 20.0 99.5 % mg/kg MD 25.0 ND 50.0 83.4 %	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.0 % 70-130 mg/kg mg/kg Anal ND 20.0 1 99.5 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 83.4 % 50-200	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0500 1 10/02/23 ND 0.0250 1 10/02/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 ND 50.0 1 10/03/23 83.4 % 50-200 10/03/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0500 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 MD 0.0250 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 10/05/23 ND 50.0 1 10/03/23 10/05/23 ND 50.0 1 10/03/23 10/05/23

p,m-Xylene

Total Xylenes

QC Summary Data

Matador Resources, LLC. Dr. Scrivner Fed Com TB Project Name: Reported: Project Number: 5400 LBJ Freeway, Suite 1500 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 10/6/2023 2:18:08PM **Volatile Organics by EPA 8021B** Analyst: RAS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 o-Xylene ND 0.0250

Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00	96.0	70-130	
LCS (2340006-BS1)					Prepared: 10/02/23 Analy	zed: 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	

ND

ND

0.0500

0.0250

Matrix Spike (2340006-MS1)		Source:	E309229-0)1	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	0/02/23 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		

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/20232:18:08PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			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		
Blank (2340006-BLK1)							Prepared: 1	0/02/23 Anal	yzed: 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: 1	0/02/23 Anal	yzed: 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:	E309229-0	01	Prepared: 1	0/02/23 Anal	yzed: 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:	E309229-0	01	Prepared: 1	0/02/23 Anal	yzed: 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					

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/20232:18:08PM

Dallas 1X, /5240		Project Manage	r: As	sniey Gioveng	go				10/6/2023 2:18:08PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340054-BLK1)							Prepared: 1	0/03/23 A	analyzed: 10/05/23
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	41.1		50.0		82.2	50-200			
CS (2340054-BS1)							Prepared: 1	0/03/23 A	analyzed: 10/05/23
riesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
urrogate: n-Nonane	44.4		50.0		88.7	50-200			
Matrix Spike (2340054-MS1)				Source:	E309245-0	01	Prepared: 1	0/03/23 A	analyzed: 10/05/23
viesel Range Organics (C10-C28)	207	25.0	250	ND	82.8	38-132			
urrogate: n-Nonane	42.4		50.0		84.8	50-200			
Matrix Spike Dup (2340054-MSD1)				Source:	E309245-0	01	Prepared: 1	0/03/23 A	analyzed: 10/05/23
tiesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132	2.30	20	
urrogate: n-Nonane	42.6		50.0		85.1	50-200			

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

Dallas 1A, 73240		1 Toject Manage	1. AS	ancy Glovens	30			1,	0/0/2023 2.10.001 N
		Anions			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: 1	0/04/23 Ana	alyzed: 10/05/23
Chloride	ND	20.0							
LCS (2340074-BS1)							Prepared: 1	0/04/23 Ana	alyzed: 10/05/23
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)				Source:	E309250-	01	Prepared: 1	0/04/23 Ana	alyzed: 10/05/23
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)				Source:	E309250-	01	Prepared: 1	0/04/23 Ana	alyzed: 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

l	Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	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.



1	Received by
	OCD:
	1/23/2024
	1:00:02
	AM

Client: N	Matador Pro	duction C	Company.			Bill To				Lab L			Jse Only				TAT				EPA Program	ogram
Project:	Dr. Scrivner	Fed Com	ТВ			Attention: Matador Production Company		Lab WO# Job Number			1	1D 2D 3D Standard			CWA	SDWA						
Project N	Manager: As	hley Giov	vengo			Address: on file			E309250 23052.000							X						
Address	: 3122 Natio	nal Parks	Hwy			City, State, Zip:									nd Metl				70		1	RCRA
City, Sta	te, Zip: Carls	bad NM,	88220			Phone: (337)319-8398				by								T				
Phone:	575-988-005	5				Email: clinton.ta	lley@matadorreso	urces.com	1	ORO											State	
Email: a	giovengo@e	ensolum.c	com						1	3/01	н			0			ΣN		24	NM CO	UT AZ	TX
Report o	due by:									J/DF	802	3260	010	300					ĭ	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			ВСБОС		GDOC		Remarks	
9:05	9/29/2023	Soil	1 Jar			BH02 - 7'		1		_							х			2		
								N=														
																	1	Ť	T			
																1		1				
Addition	nal Instructio	ns: Plea	se CC: cb	urton@er	solum.c	om, agiovengo@	ensolum.com, cha	milton@e	nso	lum.c	om,	ehaf	t@ei	nsol	um.con	n	-1-	_				
	pler), attest to the						or intentionally mislabell	ng the sampl	le loca	ation,										ived on ice the day s than 6 °C on subs		ed or
	ed by: (Signatu	re),	Date	1	Time	Received by: (Si		Date GLG-2	23	Time 15	52		Rece	eiver	d on ice		Lab		Only			
Madel	ed by: (Signatu	re) U	Date		(770	Received by: (Si	~	Date 7-29-2		Time /7			T1				Г2			T3		
Relinquish	ed by: (Signatu	re)	Date 9=		2330	Received by: (Si	ignature)	Date 9-30	2	Time	30	5		Ten	np °C_	Ĺ	+	-1-91				
Sample Mat	trix: S - Soil, Sd - S	iolid, S g - Slu	dge, A - Aqu	eous, O - Othe	r	-		Container	r Typ	e: g - s	glass,			_		mbe	r glass	i, v -	VOA			
Note: Sam	ples are discard	ded 30 days	after resul	ts are report	ed unless	other arrangements a	re made. Hazardous s													report for the a	analysis of t	he above
samples is	applicable only	to those s	amples rece	eived by the	laboratory	with this COC. The lia	ability of the laboratory	is limited to	o the	amour	nt paid	d for	on the	repo	ort.						- and a second	



e client expense. The report for the analysis of the above

Page 119 of 201

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

Envirotech Analytical Laboratory

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)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courie	<u>er</u>	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
Sample C			_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contai		Yes			
Field Lal	•					
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	<u> </u>		
C	ollectors name?		Yes			
	reservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: na		
Client Ir	nstruction_					

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 8'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

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

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

BH02 - 8' E309251-01

	1207231 01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2340006
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0500	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
	96.3 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2340006
ND	20.0	1	10/02/23	10/03/23	
	98.5 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2340054
ND	25.0	1	10/03/23	10/05/23	
ND	50.0	1	10/03/23	10/05/23	
	82.5 %	50-200	10/03/23	10/05/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2340074
852	20.0	1	10/04/23	10/05/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 98.5 % mg/kg MD 25.0 ND 50.0 82.5 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 g8.5 % 70-130 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 82.5 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0500 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 ND 50.0 1 10/03/23 ND 50.0 1 10/03/23 82.5 % 50-200 10/03/23 mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0500 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 MD 0.0250 1 10/02/23 10/03/23 MD 0.0250 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 10/05/23 ND 25.0 1 10/03/23 10/05/23 ND 50.0 1 10/03/23 10/05/23 82.5 % 50-200

Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 5.32 106 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.24 0.0250 5.00 105 70-130 5.31 0.0250 5.00 106 70-130 Toluene o-Xylene 5.26 0.0250 5.00 105 70-130 10.7 10.0 107 70-130 0.0500 p.m-Xvlene 70-130 15.9 15.0 106 Total Xylenes 0.0250 8.00 95.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.67 Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23 5.23 0.0250 5.00 ND 54-133 Benzene ND 103 61-133 Ethylbenzene 5.16 0.0250 5.00 Toluene 5.22 0.0250 5.00 ND 104 61-130 5.19 ND 104 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.69 8.00 Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

5.07

4.99

5.05

5.03

10.1

15.2

7.66

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

99.7

101

101

101

101

95.7

54-133

61-133

61-130

63-131

63-131

63-131

70-130

3.18

3.51

3 40

3.11

3.49

3.36

20

20

20

20

20

20



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/20232:19:54PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			10	0/6/2023 2:19:54PM
	Non	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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Ana	lyzed: 10/03/23
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	

8.00

7.42

92.8

70-130

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/20232:19:54PM

Danas 1A, 73240		1 Toject Ivianage	1. 710	micy Gloveng	50				0/0/2023 2:17:3 111
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340054-BLK1)							Prepared: 1	0/03/23 An	alyzed: 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: 1	0/03/23 An	alyzed: 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:	E309245-0	01	Prepared: 1	0/03/23 An	alyzed: 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:	E309245-0	01	Prepared: 1	0/03/23 An	alyzed: 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			

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

Dunus 171, 73240		1 Toject Manage	. 7 Ke	micy Gloveng	50				0,0,2020 2,11,10 11.11
		Anions		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: 1	0/04/23 An	alyzed: 10/05/23
Chloride	ND	20.0							
LCS (2340074-BS1)							Prepared: 1	0/04/23 An	alyzed: 10/05/23
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)				Source:	E309250-	01	Prepared: 1	0/04/23 An	alyzed: 10/05/23
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)				Source:	E309250-	01	Prepared: 1	0/04/23 An	alyzed: 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 TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/06/23 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.



Received l
Ę
OCD:
1/23,
/2024
1:00:02
AM

Client: N	Matador Prod	duction C	Company.		Bill To	-				Lab U	se Or	nlv	T		TAT		EPA Pr	ogram
	Dr. Scrivner				Attention: Matador Product	tion Com	oany	Lab Wo				Number	1D	2D		Standard	CWA	SDW
	Manager: As				Address: on file			EM3	593	251		052-0001				Х		
Address:	: 3122 Natio	nal Parks	Hwy		City, State, Zip:			-				sis and Metho						RCR
	te, Zip: Carls		88220		Phone: (337)319-8398			by										
	575-988-005				Email: clinton.talley@matad	orresour	ces.com	8									State	
	giovengo@e	nsolum.c	com					NO/	21	90	0	0.0	ΣN		×	NM CO	UT AZ	TX
Report d	lue by:							30/0	08 /	1 826	601	le 30				×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		1	Lab Jumber	TPH GRO/DRO/ORO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	
9:14	9/29/2023	Soil	1 Jar		BH02 - 8'		1						x					a altiga
		-							+	-				H	+	+		-
										1								
		-																
		_							+	+			+		+			
																1		
														T				
		-				-		\vdash	+	+			+	\vdash	+	1		_
Addition	al Instruction	ns: Plea	se CC: cl	ourton@ensolu	m.com, agiovengo@ensolum.co	m, chami	lton@e	nsolum	.com	ı, eha	ft@ei	nsolum.com		1 1				
, (field sam	pler), attest to the	e validity an	d authentici	ty of this sample. I a	n aware that tampering with or intentionally	mislabelling	the samp	le location	_			es requiring thermal						ed or
			raud and ma	y be grounds for lega	action. Sampled by:						receive	ed packed in ice at an	avg ten	mp above	0 but less	than 6 °C on subse	quent days.	
Relinquish	ed h: (Sign)	in	Date	29-23 3:	5 2 Received by: (Signature)		192	3 Tin	5	52	Rece	eived on ice:	100000	ab Use	e Only			
	ed by: (Signatur	(e) ()	Date		Received by: (Signature)	D	ate - 29	Tim						,		T 2		
	ed by: (Signatur	e) for	Date		Roseived by: (Şignature)		ate	ا رسے Tim			<u>T1</u>		T2	-		<u>T3</u>		
H)		1100	29-23 23		100	7.30		73	0	AVG	Temp °C	4					
	trix: S - Soil, Sd - S				The state of the s							olastic, ag - am						



envirotechia

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

Envirotech Analytical Laboratory

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)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u>Journer</u>		
	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			,		Comment	s/Resolution
	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	•	temperature. 4	<u>C</u>				
	Container queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers'	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		ners conected?	165				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	Date/Time Collected?		Yes				
(Collectors name?		No				
Sample 1	Preservation_						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	a subcontract laboratory specified by the client and in	-	NA	Subcontract Lab	· NA		
	nstruction			Succentract Eac			
<u>CHERT</u>	iisti uctivii						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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.

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Alexa Michaels

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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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 9'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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Sample Summary

Γ	Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Donoutoda
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:22

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



Sample Data

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	10/6/2023 2:22:10PM

BH02 - 9' E309252-01

	E309232-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: IY			Batch: 2340006
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
ND	0.0500	1	10/02/23	10/03/23	
ND	0.0250	1	10/02/23	10/03/23	
	95.5 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Analy	vst: IY		Batch: 2340006
ND	20.0	1	10/02/23	10/03/23	
	98.5 %	70-130	10/02/23	10/03/23	
mg/kg	mg/kg	Analy	vst: JL		Batch: 2340054
ND	25.0	1	10/03/23	10/05/23	
ND	50.0	1	10/03/23	10/05/23	
	84.0 %	50-200	10/03/23	10/05/23	
mg/kg	mg/kg	Analy	vst: BA		Batch: 2340074
-	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 25.5 % mg/kg mg/kg ND 20.0 98.5 % mg/kg ND 25.0 ND 50.0 84.0 %	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 25.5 % 70-130 mg/kg mg/kg Analy ND 20.0 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 84.0 % 50-200	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0250 1 10/02/23 ND 0.0500 1 10/02/23 ND 0.0250 1 10/02/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 ND 50.0 1 10/03/23 84.0 % 50-200 10/03/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0500 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 ND 0.0250 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/23 10/03/23 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/23 10/05/23 ND 25.0 1 10/03/23 10/05/23 ND 50.0 1 10/03/23 10/05/23 84.0 % 50-200 10/03/23 10/05/23



Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001

Dallas TX, 75240		Project Manager:	· A	shley Giovengo	,				10/6/2023 2:22:10PM
24.140 111, 702.10		, ,							
		Volatile O	rganics b	by EPA 8021	l B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340006-BLK1)							Prepared: 1	0/02/23 Aı	nalyzed: 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: 1	0/02/23 Aı	nalyzed: 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: F	E 309229- 0)1	Prepared: 1	0/02/23 Aı	nalyzed: 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: F	E309229-0)1	Prepared: 1	0/02/23 Aı	nalyzed: 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			
•									



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/20232:22:10PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			10/	6/2023 2:22:10PM
	Non	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: 1	0/02/23 Anal	yzed: 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: 1	0/02/23 Anal	yzed: 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: 1	0/02/23 Anal	yzed: 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: 1	0/02/23 Anal	yzed: 10/03/23
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	

8.00

7.42

92.8

70-130

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/20232:22:10PM

Bullus 171, 732 10		Troject Manage	. 710	mey Groveng	-				
	Nonha	Analyst: JL							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340054-BLK1)							Prepared: 1	0/03/23 Ana	lyzed: 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: 1	0/03/23 Ana	lyzed: 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:	E309245-0	01	Prepared: 1	0/03/23 Ana	lyzed: 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: 1	0/03/23 Ana	lyzed: 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			

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

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340074-BLK1)							Prepared: 1	0/04/23 A	nalyzed: 10/05/23
Chloride	ND	20.0							
LCS (2340074-BS1)							Prepared: 10	0/04/23 A	nalyzed: 10/05/23
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)				Source:	E309250-0	01	Prepared: 10	0/04/23 A	nalyzed: 10/05/23
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)				Source:	E309250-0	01	Prepared: 10	0/04/23 A	nalyzed: 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 TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/06/23 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.



	_of	Received by OCD: 1/23/2024 1:00:02 Al
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m VA		000
RA	-	D:
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		12/
-		

Client: Matador Production Company.					Bill To			Lab Us				V	Г	-	TA		EPA Program	
Project: Dr. Scrivner Fed Com TB								Lab WO#			Job Number		1D	2D		Standard	CWA	SDW
Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy					Address: on file		E30	E309262			23052-0001					X		
					City, State, Zip:						Analysis and Method					1 1 1		RCF
City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com			Phone: (337)319-8398			by												
			Email: clinton.talley@matadorresources.com			ORO	TPH GRO/DRO/ORO by 8015 BTEX by 8021				0.0					State		
						21		0		ΣN		X		NM CO	UT AZ	TX		
Report di	ue by:							30/0	y 80	826	601	le 30	1			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GF 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	
9:46	9/29/2023	Soil	1 Jar		ВН02 - 9'								х				Sinya-10-1	Company of
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				/ 														
Addition	al Instruction	ns: Plea	ase CC: cl	ourton@ensolu	m.com, agiovengo@ensolum.co	om, chamilton@	ensolu	um.co	om, e	ehaft	@en	solum.com						
				ty of this sample. I ar	n aware that tampering with or intentionall laction. <u>Sampled by:</u>	y mislabelling the sam	ole locati	ion,		- 1		s requiring thermal p d packed in ice at an						oled or
telinquishe	Aby: Genatur	e)	100000	29-23 3:	52 Received by: (Signature) Makella Celly		23	Time	SI		Lab Use Only Received on ice: Y N							
ulted	ed by: (Signatur	when		29.23 17	30 Received by (Signature)	Date 9-29	-23	Time LZS	30		T1		<u>T2</u>			<u>T3</u>		
Relinquishe	ed by: (Signatur	ey	Date		Received by: (Signature)	Date 9.30	-	Time	21		AVG	Temp °C_	4	-				



e client expense. The report for the analysis of the above

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

Envirotech Analytical Laboratory

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 0	9:30		Work Order ID:	E309252
Phone:	(972) 371-5200	Date Logged In:	09/29/23 1	9.44		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:		7:00 (4 day TAT)		Logged In Dy.	THOMA PHONOIS
	agic rago (senioram com	Due Buie.	10/00/25 1				
Chain of	Custody (COC)						
1. Does tl	ne sample ID match the COC?		Yes				
2. Does tl	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in	•				Comment	s/Resolution
Comento T	i.e, 15 minute hold time, are not included in this disucssi	on.		Г		<u>commun</u>	
	Curn Around Time (TAT)		Yes				
	e COC indicate standard TAT, or Expedited TAT?		108				
Sample C	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	· ·						
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	, were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC 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 n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	<u>oel</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected? follectors name?		Yes	•			
	Preservation		No				
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?	reserved:	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	ise Sample Matrix						
-	the sample have more than one phase, i.e., multipha	ise?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		yzeu.	INA				
	act Laboratory		3.7				
	amples required to get sent to a subcontract laborato	•	No		3.7.4		
29. was a	subcontract laboratory specified by the client and i	i so wno?	NA	Subcontract Lab	: NA		
Client I	<u>istruction</u>						

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

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

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 10'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

Γ	Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Donoutodi
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/06/23 14:23

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



Sample Data

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	10/6/2023 2:23:48PM

BH02 - 10' E309253-01

		E309253-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
· many to	resur		2.1.4.1.011	Trepared	7 111117 200	11000
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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		97.2 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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		85.3 %	50-200	10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2340074
Chloride	924	20.0	1	10/04/23	10/05/23	



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

ND

ND

ND

ND

ND

0.0250

0.0250

0.0250

0.0500

0.0250

QC Summary Data

Matador Resources, LLC. Dr. Scrivner Fed Com TB Project Name: Reported: Project Number: 5400 LBJ Freeway, Suite 1500 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 10/6/2023 2:23:48PM **Volatile Organics by EPA 8021B** Analyst: RAS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23 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: E309229-0	1	Prepared: 10/02/23 Analyzed: 10/03/23
D.	5.22	0.0250	5.00	ND 105	54 122	

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:	E309229-0	01	Prepared: 10	0/02/23 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		

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/20232:23:48PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			10	/6/2023 2:23:48PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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: 1	0/02/23 Anal	lyzed: 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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Ana	lyzed: 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: 1	0/02/23 Anal	lyzed: 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			

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo10/6/2023 2:23:48PM

Danas 1A, 73240		1 Toject Manage	7 10	micy Gloveng	30				0/0/2023 2.23.1011
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	ORO/			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340054-BLK1)							Prepared: 1	0/03/23 An	alyzed: 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: 1	0/03/23 An	alyzed: 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:	E309245-0	01	Prepared: 1	0/03/23 An	alyzed: 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:	E309245-0)1	Prepared: 1	0/03/23 An	alyzed: 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			

Matrix Spike (2340074-MS1)

Matrix Spike Dup (2340074-MSD1)

Chloride

Chloride

1010

1040

Prepared: 10/04/23 Analyzed: 10/05/23

Prepared: 10/04/23 Analyzed: 10/05/23

20

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manage	: 2	or. Scrivner Fed 3052-0001 Ashley Gioveng					Reported: 10/6/2023 2:23:48PM
		Anions	by EPA	300.0/9056	A				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: 1	0/04/23 A	nalyzed: 10/05/23
Chloride	ND	20.0							
LCS (2340074-BS1)							Prepared: 1	0/04/23 A	nalyzed: 10/05/23
Chloride	249	20.0	250		99.6	90-110			

250

250

20.0

20.0

Source: E309250-01

Source: E309250-01

91.2

104

80-120

80-120

3.11

780

780

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

ı	Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	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.



1	Received by
	OCD:
	1/23/2024
	1:00:02
	AM

Client: N	Natador Prod	duction C	ompany.		Bill To				Lab U	se Or	ılv				TAT		EPA P	rogran
TOTAL STREET	Dr. Scrivner				Attention: Matador Produc	ction Company	Lab W	O#	Lab o		Numb	er	1D 2			Standard	CWA	SDW
	lanager: As				Address: on file	ction company	F30	VÄ:	253			2000				Х	7.53	
	3122 Natio				City, State, Zip:		1	2 10	,00	Analysis and Metho						11	RCF	
City, Stat	e, Zip: Carls	bad NM,	88220		Phone: (337)319-8398		þ											
	75-988-005				Email: clinton.talley@mata	dorresources.cor	·										State	
	giovengo@e	nsolum.c	om				RO/C		0 0	0	300.0		Σ		×	NM CO	UT AZ	TX
Report d	ue by:								y 80.	601	e 30					×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015	BTEX by 8021 VOC by 8260	Metals 6010	Chloride		верос		CDOC		Remarks	
9:50	9/29/2023	Soil	1 Jar		BH02 - 10'								х					
								+	-					+	+			
								-						-				
							++	+	-	-	\vdash	-		+	+			
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	-							-	+	-				+	+			-
										-								
									-11-			-15						
ddition	I Instruction	s: Plea	se CC: cl	ourton@ensolu	m.com, agiovengo@ensolum.c	om, chamilton@	ensolur	n.co	m, eha	ft@e	nsolui	n.com						
(field samp	ler), attest to the	validity and	d authentici	ty of this sample. I a	m aware that tampering with or intentional	ly mislabelling the sam	ple locatio	n,			and the same					ved on ice the day		pled or
			aud and ma	y be grounds for lega	al action. Sampled by:					receiv	ed packet	d in ice at ar				than 6 °C on subs	sequent days.	
O A O O O O					5 2 Received by: (Signature) Millula (Sun	1 0 30		ime 15	52	Lab Use Only Received on ice: (Y)/ N								
elinquishe	d by: (Signatur Ulu T	el la	Date	19-23 Time	Received by (Signature)	9-29	-23	me /73	30	T1			T2			T3		
	d by: (Signatur		Date	Time	Received by: (Signature)	Date	Ti	me	24	-		1	ī					



or disposed of at the client expense. The report for the analysis of the above on the report.

Consider the client expense. The report for the analysis of the above on the report.

Page 155 of 201

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

Envirotech Analytical Laboratory

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 0	99:30		Work Order ID:	E309253
Phone:	(972) 371-5200	Date Logged In:	09/29/23 1	9:44		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	10/06/23 1	7:00 (4 day TAT)			
	Custody (COC)		Yes				
	e sample ID match the COC? e number of samples per sampling site location ma	tch the COC					
	imples dropped off by client or carrier?	ich the COC	Yes	a . a			
	COC complete, i.e., signatures, dates/times, reque	atad amalyaaa?	Yes Yes	Carrier: <u>C</u>	<u>courier</u>		
		sted allaryses:	Yes				
	/ere all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.		168	Г		Comment	s/Resolution
	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C 7. Was a s	ooler ample cooler received?		Yes				
8. If yes, v	vas 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	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C							
	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
	el ield sample labels filled out with the minimum info imple ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	mples required to get sent to a subcontract laborato	orv?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab	r na		
Client In	struction						

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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: 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1				
Cover Page	2				
Table of Contents	3				
Sample Summary	4				
Sample Data	5				
BH02-16'	5				
QC Summary Data					
QC - Volatile Organics by EPA 8021B	6				
QC - Nonhalogenated Organics by EPA 8015D - GRO	7				
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

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

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



Sample Data

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	1/2/2024 3:03:06PM

BH02-16' E312178-01

		2012170 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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		94.4 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2352008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	12/27/23	12/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2352024
Chloride	122	20.0	1	12/28/23	12/29/23	



Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2352008-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.77 95.4 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.98 0.0250 5.00 99.6 70-130 4.97 0.0250 5.00 99.4 70-130 Toluene 99.8 o-Xylene 4.99 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.1 15.0 Total Xylenes 0.0250 8.00 91.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.29 Matrix Spike (2352008-MS1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23 4.59 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.79 0.0250 5.00 95.8 Toluene 4.77 0.0250 5.00 ND 95.5 61-130 4.80 ND 63-131 5.00 96.0 0.0250 o-Xylene p,m-Xylene 9.75 0.0500 10.0 ND 97.5 63-131 14.5 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.34 8.00 Matrix Spike Dup (2352008-MSD1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23 4.51 0.0250 5.00 ND 90.2 54-133 1.73 20 61-133 1.37 4.72 0.0250 5.00 ND 94.5 20 Ethylbenzene 61-130 Toluene 4 71 0.0250 5.00 ND 94 1 1 42 20 4.77 5.00 ND 95.4 63-131 0.661 20 o-Xylene 0.0250 9.64 10.0 ND 96.4 63-131 1.17 20 p,m-Xylene 0.0500 Total Xylenes 14.4 0.0250 15.0 ND 96.0 63-131 1.00 20

8.00

91.2

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.29

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo1/2/20243:03:06PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go				1/2/2024 3:03:06PM	
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		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	
Blank (2352008-BLK1)							Prepared: 1	2/27/23 A	nalyzed: 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: 1	epared: 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:	E312171-2	21	Prepared: 1	2/27/23 A	nalyzed: 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: 1	2/27/23 A	nalyzed: 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				

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo1/2/2024 3:03:06PM

Dallas 1A, 73240	Project Manager: Ashley Gloveligo								1/2/2024 3.03.00FW		
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2352021-BLK1)							Prepared: 1	2/28/23 A	nalyzed: 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: 1	2/28/23 A	nalyzed: 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: 1	2/28/23 A	nalyzed: 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: 1	2/28/23 A	nalyzed: 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					



ND

246

269

253

20.0

20.0

20.0

20.0

Chloride

Chloride

Chloride

Chloride

LCS (2352024-BS1)

Matrix Spike (2352024-MS1)

Matrix Spike Dup (2352024-MSD1)

Prepared: 12/28/23 Analyzed: 12/29/23

Prepared: 12/28/23 Analyzed: 12/29/23

Prepared: 12/28/23 Analyzed: 12/29/23

20

90-110

80-120

80-120

6.04

98.6

108

101

Source: E312173-02

Source: E312173-02

ND

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager		Dr. Scrivner Fed Com TB 23052-0001 Ashley Giovengo					Reported: 1/2/2024 3:03:06PM		
Anions by EPA 300.0/9056A Analyst: IY											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2352024-BLK1)						F	Prepared: 1	2/28/23 A	Analyzed: 12/29/23		

250

250

250

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 TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo01/02/24 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.



Client: N	Matador Pro	duction C	Company		Bill To				La	ab Us	se On	ly				TA	AT	EPA P	rogram
Project:	oject Manager: Ashley Giovengo Address: on file Idress: 3122 National Parks Hwy City, State, Zip:					ompany	Lab	312	1		Job I				2D	3D	Standard	CWA	SDWA
Project N	Manager: As	hley Giov	vengo		Address: on file		E.	312	128				2-000				X		1
Address:	3122 Natio	nal Parks	Hwy		City, State, Zip:						Analy	sis a	nd Metho	od					RCRA
City, Sta	e, Zip: Carls	bad NM,	88220		Phone: (337)319-8398			by											
Phone:	575-988-005	5			Email: clinton.talley@matadorres	dorresources.com												State	
Email: a	giovengo@e	nsolum.d	com			77.		30/0	н			0.0		ΣN			NM CO	UT AZ	TX
Report d	ue by:							Q/C	802	826	5010	300				¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC	1	Remarks	
10:44	12/20/2023	Soil	1		BH02 - 16'	1								x					
- 1																			
												-		\vdash					
																	-		
Addition	al Instructio	ns: Plea	se CC: cl	ourton@ensol	um.com, agiovengo@ensolum.com, ch	amilton@e	nso	lum.c	om, e	ehaf	t@en	isolu	ım.com -	sam	ples	kept	on ice		
				ty of this sample. I	am aware that tampering with or intentionally mislabe	lling the sampl	e loca	ation,									ceived on ice the day ess than 6 °C on subs		ed or
	ed by: (Signatur		Date	Time	Received by: (Signature) Wille Curl	Date 12:02:	13	Time	94		Rece	havi	on ice:	- 21	ab Us	se On	ly		
	ed by: (Signatur	e) L	Date	Time	Received by: (Signature)	Date 12-2		Time	800		T1	, v c u	Off ICC	T2	, , ,		Т3		
	ed by: (Signatur	re) V	Date	Time	Received by: (Signature)	Date 12171	23	Time	:00		AVG	Tem	np°c (+					
Sample Mat	ix: S - Soil, Sd - S	olid, Sg - Slu		- CC C-1 C	The thirty	Container	Typ		_					oer gl	ass, v	- VOA	1		
Note: Samp	oles are discard	ed 30 days	after resu	lts are reported u	nless other arrangements are made. Hazardous													analysis of t	he above



Printed: 12/27/2023 11:24:24AM

Envirotech Analytical Laboratory

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)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		Comment	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>ooler</u>					
7. Was a s	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		- -	-			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	ners conceteu:	103			
	rield sample labels filled out with the minimum info	armation:				
	imple ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does t	he COC or field labels indicate the samples were pa	reserved?	No			
22. Are sa	mple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does t	he sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
	act Laboratory					
	mples required to get sent to a subcontract laborato	arv?	No			
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
		1 30 WHO:	1421	Subcontract Lab. NA		
Client In	struction					

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Cell: 505-320-4759

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Michelle Golzales

Client Representative
Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02-14'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

Γ	Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Donoutodi
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	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.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 3:01:55PM

BH02-14' E312179-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
	mg/kg	mg/kg	Analy	st: IY		Batch: 2352024
Anions by EPA 300.0/9056A	mg/Kg	mg ng				Buttern 200202 1



Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2352008-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.77 95.4 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.98 0.0250 5.00 99.6 70-130 4.97 0.0250 5.00 99.4 70-130 Toluene 99.8 o-Xylene 4.99 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.1 15.0 Total Xylenes 0.0250 8.00 91.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.29 Matrix Spike (2352008-MS1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23 4.59 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.79 0.0250 5.00 95.8 Toluene 4.77 0.0250 5.00 ND 95.5 61-130 4.80 ND 63-131 5.00 96.0 0.0250 o-Xylene p,m-Xylene 9.75 0.0500 10.0 ND 97.5 63-131 14.5 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.34 8.00 Matrix Spike Dup (2352008-MSD1) Source: E312171-21 Prepared: 12/27/23 Analyzed: 12/28/23 4.51 0.0250 5.00 ND 90.2 54-133 1.73 20 61-133 1.37 4.72 0.0250 5.00 ND 94.5 20 Ethylbenzene 61-130 Toluene 4 71 0.0250 5.00 ND 94 1 1 42 20 4.77 5.00 ND 95.4 63-131 0.661 20 o-Xylene 0.0250 9.64 10.0 ND 96.4 63-131 1.17 20 p,m-Xylene 0.0500



14.4

7.29

0.0250

15.0

8.00

ND

96.0

91.2

63-131

70-130

1.00

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo1/2/20243:01:55PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go				1/2/2024 3:01:55PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			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
Blank (2352008-BLK1)							Prepared: 1	2/27/23 Ar	nalyzed: 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: 1	2/27/23 Ar	nalyzed: 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: 1	2/27/23 Ar	nalyzed: 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: 1	2/27/23 Ar	nalyzed: 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			

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo1/2/20243:01:55PM

Danas 1A, 75240		1 Toject Wianage	1. 713	mey Gloveng	50				17272021 3.01.3311
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	ORO/			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2352021-BLK1)							Prepared: 1	2/28/23 A	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: 1	2/28/23 A	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: 1	2/28/23 A	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: 1	2/28/23 A	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			

Chloride

Matrix Spike Dup (2352024-MSD1)

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	:	Dr. Scrivner Fee 23052-0001 Ashley Giovens					Reported: 1/2/2024 3:01:55PM
		Anions	by EPA	300.0/9056A	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2352024-BLK1)							Prepared: 1	2/28/23 Ar	nalyzed: 12/29/23
Chloride	ND	20.0							
LCS (2352024-BS1)							Prepared: 1	2/28/23 Ar	nalyzed: 12/29/23
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2352024-MS1)				Source:	E312173-0	02	Prepared: 1	2/28/23 Ar	nalyzed: 12/29/23
Chloride	269	20.0	250	ND	108	80-120			

250

Source: E312173-02

101

80-120

6.04

20.0

253

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.



Prepared: 12/28/23 Analyzed: 12/29/23

20

Definitions and Notes

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TB5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo01/02/24 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.



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City, Sta	te, Zip: Carls	sbad NM,	88220		Phone: (337)319-8398			by						1	1				
Phone:	575-988-005	5			Email: clinton.talley@matador	resources.cor	n	ORO										State	
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10:40	12/20/2023	4			BH02 - 14'	THE STATE OF													
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Addition	al Instruction	ns: Plea	ise CC: cl	ourton@ensol	um.com, agiovengo@ensolum.com,	chamilton@e	ensol	um.c	om,	ehaf	t@ens	solum.	com -	sam	ples	kept	on ice		
					am aware that tampering with or intentionally mis	labelling the samp	le locat	tion,			100 100 100 100						ceived on ice the day ess than 6 °C on sub		oled or
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e client expense. The report for the analysis of the above

Page 179 of 201

Printed: 12/27/2023 11:24:01AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

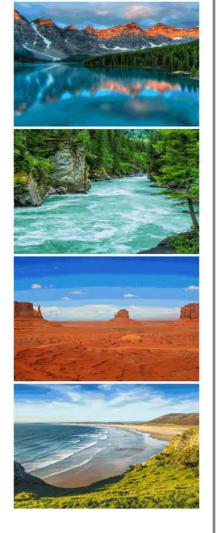
Instructions: Please take note of any NO checkmarks.

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)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location mat	ch the COC	Yes				
3. Were samples dropped off by client or carrier?			Yes	Carrier: Co	ourior		
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?			Yes	Camer. <u>Co</u>	<u>ourrer</u>		
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.		Yes					
			-		Comment	s/Resolution	
	<u>[urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample Cooler							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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 th	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are \	5. 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 info	rmation:					
	ample ID?		Yes				
	eate/Time Collected? Collectors name?		Yes	_			
	Preservation		Yes				
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	eserveu.	NA				
	filteration required and/or requested for dissolved m	netals?	No				
	ase Sample Matrix		110				
		na?	N				
	the sample have more than one phase, i.e., multiphase		No				
	, does the COC specify which phase(s) is to be analy	zeu?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	-	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab:	: NA		
Client Instruction							

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Client Representative
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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02-10'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

ſ	Matador Resources, LLC.	Project Name:	Dr. Scrivner Fed Com TB	Dd-
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	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.	Project Name:	Dr. Scrivner Fed Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/2/2024 9:14:40AM

BH02-10' E312180-01

	E312100-01				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2352009
ND	0.0250	1	12/27/23	12/29/23	
ND	0.0250	1	12/27/23	12/29/23	
ND	0.0250	1	12/27/23	12/29/23	
ND	0.0250	1	12/27/23	12/29/23	
ND	0.0500	1	12/27/23	12/29/23	
ND	0.0250	1	12/27/23	12/29/23	
	91.8 %	70-130	12/27/23	12/29/23	
mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2352009
ND	20.0	1	12/27/23	12/29/23	
	93.9 %	70-130	12/27/23	12/29/23	
mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2352021
ND	25.0	1	12/28/23	12/28/23	
ND	50.0	1	12/28/23	12/28/23	
	108 %	50-200	12/28/23	12/28/23	
mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2352011
667	20.0	1	12/27/23	12/28/23	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 91.8 % mg/kg MD 20.0 93.9 % mg/kg MD 25.0 ND 50.0 108 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 91.8 % 70-130 mg/kg mg/kg Ana ND 20.0 1 93.9 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 108 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/27/23 ND 0.0250 1 12/27/23 ND 0.0250 1 12/27/23 ND 0.0250 1 12/27/23 ND 0.0500 1 12/27/23 ND 0.0250 1 12/27/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/27/23 mg/kg mg/kg Analyst: KM ND 25.0 1 12/28/23 ND 50.0 1 12/28	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/27/23 12/29/23 ND 0.0250 1 12/27/23 12/29/23 ND 0.0250 1 12/27/23 12/29/23 ND 0.0500 1 12/27/23 12/29/23 ND 0.0250 1 12/27/23 12/29/23 ND 0.0250 1 12/27/23 12/29/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/27/23 12/29/23 mg/kg mg/kg Analyst: KK ND 25.0 1 12/27/23 12/29/23 ND 25.0 1 12/28/23 12/28/23 ND 50.0 1 12/28/23 12/28/23 ND 50.0 1 12/28/23 12/28/23 ND 50.0 1 12/28/23



QC Summary Data

Dr. Scrivner Fed Com TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2352009-BLK1) Prepared: 12/27/23 Analyzed: 12/28/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.48 89.7 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.86 0.0250 5.00 97.1 70-130 4.79 0.0250 5.00 95.8 70-130 Toluene 97.9 o-Xylene 4.89 0.0250 5.00 70-130 9.91 10.0 99.1 70-130 0.0500 p.m-Xvlene 98.7 70-130 14.8 15.0 Total Xylenes 0.0250 8.00 94.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.53 Matrix Spike (2352009-MS1) Source: E312185-01 Prepared: 12/27/23 Analyzed: 12/28/23 4.50 0.0250 5.00 ND 54-133 Benzene ND 97.9 61-133 Ethylbenzene 4.89 0.0250 5.00 Toluene 4.82 0.0250 5.00 ND 96.4 61-130 4.92 ND 98.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.98 0.0500 10.0 ND 99.8 63-131 14.9 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.52 8.00 Matrix Spike Dup (2352009-MSD1) Source: E312185-01 Prepared: 12/27/23 Analyzed: 12/28/23 4.63 0.0250 5.00 ND 92.7 54-133 2.99 20 61-133 3.32 5.06 0.0250 5.00 ND 101 20 Ethylbenzene Toluene 4 97 0.0250 5.00 ND 994 61-130 3 12 20 5.10 5.00 ND 102 63-131 3.48 20 o-Xylene 0.0250 3.21 10.3 10.0 ND 103 63-131 20 p,m-Xylene 0.0500 Total Xylenes 15.4 0.0250 15.0 ND 103 63-131 3.30 20

8.00

93.8

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.50

QC Summary Data

Matador Resources, LLC.Project Name:Dr. Scrivner Fed Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo1/2/20249:14:40AM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go				1/2/2024 9:14:40AM
	Non	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
Blank (2352009-BLK1)							Prepared: 1	2/27/23 A	nalyzed: 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: 1	2/27/23 A	nalyzed: 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: 1	2/27/23 A	nalyzed: 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: 1	2/27/23 A	nalyzed: 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 TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo1/2/2024 9:14:40AM

Danas 1A, 75240		1 Toject Wianage	7.5	mey Gloveng	50				1,2,2021 ,11110111
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2352021-BLK1)							Prepared: 1	2/28/23 A	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: 1	2/28/23 A	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: 1	2/28/23 A	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: 1	2/28/23 A	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			

Matrix Spike (2352011-MS1)

Matrix Spike Dup (2352011-MSD1)

Chloride

Chloride

6700

6680

Prepared: 12/27/23 Analyzed: 12/28/23

Prepared: 12/27/23 Analyzed: 12/28/23

20

M4

QC Summary Data

Matador Resources, LLC. Project Name: Dr. Scrivner Fed Com TB 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo								Reported: 1/2/2024 9:14:40AM				
		Anions	by EPA	300.0/9056	4				Analyst: DT			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2352011-BLK1)							Prepared: 1	2/27/23 Aı	nalyzed: 12/28/23			
Chloride	ND	20.0										
LCS (2352011-BS1)]	Prepared: 1	2/27/23 Aı	nalyzed: 12/28/23			
Chloride	251	20.0	250		100	90-110						

250

250

200

200

Source: E312171-22

Source: E312171-22

69.7

63.8

80-120

80-120

0.221

6520

6520

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.



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Client: N	Matador Pro	duction (Company			Bill To				Li	ab U	se Or	nly		TAT					EPA P	rogram
Project:	Dr. S	crivner F	ed Com 7	В	1	Attention: Matador Production	n Company	La	b WO#	+ _			Num			D 2	D	3D	Standard	CWA	SDWA
Project N	Manager: As	hley Gio	vengo		1	Address: on file			312	180)	23	052	-000	1				Х		
Address:	3122 Natio	nal Parks	s Hwy			City, State, Zip:			0			Anal	ysis a	nd Meth	od						RCRA
City, Stat	e, Zip: Carls	sbad NM	, 88220		F	Phone: (337)319-8398			by												
	575-988-005				E	mail: clinton.talley@matador	resources.co	m	ORO											State	
Email: a	giovengo@e	ensolum.	com						30/0	н			0.0			Z			NM CO	UT AZ	TX
Report d									J/DF	802	3260	010	300		- 1			¥	×		
Time	The state of the s	64-26	No. of		1		Lab	3	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			Repor		20			
Sampled	Date Sampled	Matrix	Containers	Sample ID			Numbe	r	TPH (BTE)	90	Met	Chlo			BGL		GDOC		Remarks	
10:30	12/20/2023	Soil	1			BH02 - 10'	l									х					
								-							-	+					
								-							+		+	-			
								-							+		+	+			
															-	+	1	+			
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Addition	al Instructio	ns: Plea	ase CC: ck	urton@ens	olum.co	m, agiovengo@ensolum.com	, chamilton@	ensc	olum.c	om,	ehaf	t@e	nsolu	ım.com	- sa	mpl	es k	ept o	n ice		
	oler), attest to th					re that tampering with or intentionally min. Sampled by: Ethan Haft		ple loc	ation,										ved on ice the day s than 6 °C on subs		sled or
Relinquishe	ed by: (Signatur	ret	Date	72/230	ne 700	Received by: (Signature) Willy Gun L	Date 12 22	23	Time	749	5	Rec	eived	on ice:		Lab 0/	Use N	e Only	*		
Mice		ey &	Date	22-23	445	Received by: (Signature) Received by: (Signature)	Date 17.2		Time	80	0	<u>T1</u>			T	2			<u>T3</u>		
	ed by: (Signatur			.22.23 7	L400	Received by: (Signature) Menfur	142°)	AVG	Ten	np°c_{	+						
	ix: S -Soil, Sd -S					U.								c, ag - am							
						her arrangements are made. Hazard									lien	t expe	ense.	. The r	eport for the	analysis of	the above
samples is	applicable only	to those s	amples rece	eived by the lal	poratory w	ith this COC. The liability of the labo	ratory is limited	to the	amour	nt pai	d for	on the	erepo	rt.							



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Page 191 of 201

Printed: 12/27/2023 11:23:24AM

Envirotech Analytical Laboratory

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)		
1. Does th 2. Does th 3. Were sa 4. Was the	e sample ID match the COC? e number of samples per sampling site location matamples dropped off by client or carrier? c COC complete, i.e., signatures, dates/times, reques		Yes Yes Yes Yes	Carrier: <u>Courie</u>	<u>r</u>	
	I samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic urn Around Time (TAT)		Yes		Comment	s/Resolution
	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	•					
7. Was a s	ample cooler received?		Yes			
8. If yes, v	vas 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			
	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes			
	risible ice, record the temperature. Actual sample	temperature: 4-0	<u>c</u>			
Sample C			NI.			
-	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	ppropriate volume/weight or number of sample contain	iers collected?	Yes			
	<u>el </u>	rmation:	Yes			
Da	anple 10? ate/Time Collected? ollectors name?		Yes Yes			
	reservation		168			
	he COC or field labels indicate the samples were pr	eserved?	No			
	mple(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved m	etals?	No			
Multinha	se Sample Matrix					
	he sample have more than one phase, i.e., multiphas	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
	act Laboratory					
	mples required to get sent to a subcontract laborator	mu?)	No			
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab: NA		
	struction	oo wao.	11/1	Subcontract Lab. 144		

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



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: <u>image006.png</u>

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

http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Tuesday, November 14, 2023 3:44 PM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD <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>

Sent: Tuesday, November 14, 2023 3:06 PM

To: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov >; clinton.talley@matadorresources.com **Cc:** Cole Burton < cburton@ensolum.com >; Ethan Haft < ehaft@ensolum.com >; Chad Hamilton < chamilton@ensolum.com >

Subject: [EXTERNAL] Matador Extension Request - Dr. Scrivner Fed Com TB - Incident Number nAPP2323063169

11/11/12525005105

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,



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	306136
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
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

Location of Release Source	
Please answer all the questions in this group.	
Site Name DR. SCRIVNER TANK BATTERY	
Date Release Discovered	08/17/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: 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

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	IONS (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 s	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.
	ilation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of avaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Clint Talley Title: Assistant Foreman

Email: clinton.talley@matadorresources.com

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QUESTIONS, Page 3

Action 306136

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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

ovided to the appropriate district office no later than 90 days after the release discovery date.		
Yes		
amination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
31900		
106		
0		
0		
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.		
01/22/2074		
01/22/2074		
01/22/2074		
0		
0		
1402		
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.		

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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Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV**1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 4

Action 306136

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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 off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360 Hobbs Facility
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.

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

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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QUESTIONS, Page 5

Action 306136

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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	f 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
	iately under or around production equipment such as production tanks, wellheads and pipelines where In may be deferred with division written approval until the equipment is removed during other operations, or wher
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 e which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
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 6

Action 306136

QUESTIONS (continued)			
	OGRID:		
MATADOR PRODUCTION COMPANY	228937		
One Lincoln Centre	Action Number:		
Dallas, TX 75240	306136		

Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

OFFECTIONS

Operator:

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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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