# **E N S O L U M**

September 13, 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: Closure Request Voni West TB Incident Number nAPP2417323765 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Voni West 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 *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2417323765.

## SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit C, Section 21, Township 26 South, Range 31 East, in Eddy County, New Mexico (32.03498°, -103.78557°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On June 20, 2024, a nipple on the saltwater disposal (SWD) discharge pump failed, resulting in the release of approximately 62 barrels (bbls) of produced water onto the caliche pad and overspray into the lined secondary tank containment. A vacuum truck successfully recovered 15 bbls of produced water. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal June 21, 2024, and submitted a Release Notification Form C-141 (Form C-141) on June 24, 2024. The release was assigned Incident Number nAPP2417323765. The Form C-141 can be referenced on the NMOCD Portal. A 48-hour advanced notice was submitted via web portal to NMOCD for a Liner Integrity Inspection on August 7, 2024, and the inspection was completed by Ensolum personnel on August 13, 2024. The liner was found to remain intact and had the ability to contain the release in question.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com Voni West TB

## E ENSOLUM

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, C-4769 POD1, located approximately 0.36 miles east of the Site. The well had a reported depth to groundwater greater than 101 feet below ground surface (bgs) and a total depth of 101 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland area, located approximately 3,168 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). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

## SITE ASSESSMENT ACTIVITIES

On June 27, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ten preliminary soil samples (SS01 through SS10) were collected around the release extent at ground surface to assess the lateral extent of the impacted area. Five boreholes (BH01 through BH05) were advanced within the release extent to assess the vertical extent of impacted soil; borehole BH01 was advanced to a depth of 4 feet bgs and boreholes BH02 through BH05 were advanced to a depth of 3 feet bgs. The preliminary soil samples were field screened for chloride utilizing Mohr Method titration. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are 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 and transported under strict chainof-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

On August 13, 2024, Ensolum personnel returned to the Site to conduct a Liner Integrity Inspection. It was determined the liner remained intact and had to the ability to contain the release in question.

Voni West TB

## **EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES**

On August 26 and 27, 2024, impacted soil was excavated via surface scrape from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a backhoe, hydrovac, hand digging, and belly dump trucks. The excavation occurred on the north side of the lined secondary tank containment and around associated production equipment. To direct excavation activities, Ensolum personnel screened soil for chloride utilizing chloride QuanTab<sup>®</sup> test strips and for TPH utilizing a PetroFLAG<sup>®</sup> soil analyzer system.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at least 400 square feet from the floor of the scrape. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS37) were collected from the floor of the excavation just beneath the scraped surface (0 feet bgs). Due to the shallow nature of the excavation, sidewall soil was incorporated into the floor confirmation samples. A confirmation sampling variance request was emailed to NMOCD on August 7, 2024, and approved by Nelson Velez of the NMOCD on August 7, 2024, to increase the sampling area to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 15,039 square feet. A total of approximately 30 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples (SS01 through SS10) were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface. Laboratory analytical results for boreholes (BH01 through BH05) indicated all COCs were in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results for borehole BH01 indicated COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at 4 feet bgs and 1-foot bgs in borehole sample locations BH02 through BH05.

Laboratory analytical results for excavation floor soil samples (FS01 through FS37) indicated all COC concentrations were compliant with the Site Closure Criteria at ground surface. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

## **CLOSURE REQUEST**

Site assessment and excavation activities were conducted at the Site to address the June 2024 release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 101 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of

Voni West TB

human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2417323765.

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 Scientist

Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist

Appendices:

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



# **FIGURES**

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Eddy County, New Mexico



Unit C, Section 21, Township 26S, Range 31E Eddy County, New Mexico



# TABLES

# E N S O L U M

				Matado	TABLE 1         LE ANALYTICA         Voni West TB         or Production Co         ( County, New M	ompany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
		·		Delin	eation Soil Sar	nples				
SS01	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.6
SS02	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	324
SS03	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.3
SS04	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	278
SS05	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	179
SS06	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	429
SS07	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	374
SS08	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	186
SS09	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	388
SS10	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	140
BH01	6/27/2024	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,500
BH01	6/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107
BH02	6/27/2024	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,920
BH02	6/27/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.2
BH03	6/27/2024	0	<0.0250	<0.0500	<20.0	43.8	<50.0	43.8	43.8	5,690
BH03	6/27/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.3
BH04	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,530
BH04	6/27/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.4
BH05	6/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,800
BH05	6/27/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.6

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

- GRO: Gasoline Range Organics
- DRO: Diesel Range Organics
- ORO: Oil Range Organics
- TPH: Total Petroleum Hydrocarbon
- BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

# **ENSOLUM**

				Matado	TABLE 2         LE ANALYTICA         Voni West TB         or Production Co         Ocounty, New Methods	mpany					
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000	
Confirmation Soil Samples											
FS01	8/26/2024	0	<0.0250	<0.0500	<20.0	45.6	<50.0	45.6	45.6	4,420	
FS02	8/26/2024	0	<0.0250	<0.0500	<20.0	147	160.0	147	307.0	1,920	
FS03	8/26/2024	0	<0.0250	<0.0500	<20.0	36.9	<50.0	36.9	36.9	1,630	
FS04	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,330	
FS05	8/26/2024	0	<0.0250	<0.0500	<20.0	28.6	<50.0	28.6	28.6	3,210	
FS06	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,400	
FS07	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,450	
FS08	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,910	
FS09	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,280	
FS10	8/26/2024	0	<0.0250	<0.0500	<20.0	37.4	<50.0	37.4	37.4	3,140	
FS11	8/26/2024	0	<0.0250	<0.0500	<20.0	71.4	<50.0	71.4	71.4	4,640	
FS12	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,220	
FS13	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,340	
FS14	8/26/2024	0	<0.0250	<0.0500	<20.0	631	210.0	631	841.0	2,490	
FS15	8/26/2024	0	<0.0250	<0.0500	<20.0	45.3	51.7	45.3	97.0	4,200	
FS16	8/26/2024	0	<0.0250	<0.0500	<20.0	37.9	<50.0	37.9	37.9	2,650	
FS17	8/26/2024	0	<0.0250	<0.0500	<20.0	87.9	105.0	87.9	192.9	1,740	
FS18	8/26/2024	0	<0.0250	<0.0500	<20.0	103	91.2	103	194.2	2,830	
FS19	8/26/2024	0	<0.0250	<0.0500	<20.0	25.9	<50.0	25.9	25.9	8,590	
FS20	8/27/2024	0	<0.0250	0.36400	40.1	122	<50.0	162.1	162.1	6,850	
FS21	8/27/2024	0	<0.0250	<0.0500	<20.0	40.5	<50.0	40.5	40.5	8,390	
FS22	8/27/2024	0	<0.0250	<0.0500	<20.0	232	91.1	232	323.1	10,300	
FS23	8/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,520	
FS24	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,950	
FS25	8/26/2024	0	<0.0250	<0.0500	<20.0	291	114.0	<25.0	<50.0	1,310	
FS26	8/26/2024	0	<0.0250	<0.0500	<20.0	70.9	60.9	70.9	131.8	2,500	
FS27	8/27/2024	0	<0.0250	<0.0500	<20.0	39.5	<50.0	39.5	39.5	11,600	

# E N S O L U M

	TABLE 2 - CONT'D         SOIL SAMPLE ANALYTICAL RESULTS         Voni West TB         Matador Production Company         Eddy County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I	NMOCD Table I Closure Criteria (NMAC 19.15.29)         10         50         NE         NE         NE         1,000         2,500         20,00												
				Confi	rmation Soil Sa	mples		·	·				
FS28	8/27/2024	0	<0.0250	<0.0500	<20.0	191	61.6	191	252.6	11,500			
FS29	8/27/2024	0	<0.0250	<0.0500	<20.0	275	119.0	275	394.0	10,600			
FS30	8/27/2024	0	<0.0250	<0.0500	<20.0	35.6	<50.0	35.6	35.6	8,880			
FS31	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,130			
FS32	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,800			
FS33	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,480			
FS34	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,000			
FS35	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,250			
FS36	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,750			
FS37	8/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,000			

#### Notes:

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Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



# APPENDIX A

Well Log & Record

2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax; 575.624.2421 www.atkinseng.com



September 13, 2023

DII-NMOSE 1900 W 2<sup>nd</sup> Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4769Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4769 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Groon Middlin

Lucas Middleton

Enclosures: as noted above

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PAGE 1 OF 2

WELL TAG ID NO.



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

CATION	OSE POD NO POD 1 (TV WELL OWNE Matador Pr	V-1) ER NAME(S)	)		well tag id no V/A			OSE FILE N C-4769 PHONE (OF						
WELL LO	WELL OWNE	ER MAILING		)				CITY Dallas			STATE TX	75240	ZIP	
1. GENERAL AND WELL LOCATION		S) LOI	TITUDE		MINUTES 2 46 SS AND COMMON	SECONDS 1.66 46.92 N LANDMARK	N W S – PLS	* DATUM I	CY REQUIRED: ( REQUIRED: WGS 	84				
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	DRILLING ST 09/08/2		DRILLING ENDED 09/08/2023		PLETED WELL (F ry Well Materi			le depth (f1 ±101	T) DEPTH WA	TER FIRS	T ENCOU N/A	NTERED (FT)		
N	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE	SHALLO	W (UNCONFI	∛ED)		IC WATER LEVE		A D	ATE STATIC 9/13/2		
RMATIO	DRILLING FI DRILLING M		AIR ROTARY ] HAMM	IER I CABLE		VES – SPECIFY ER – SPECIFY		Hollow Ster	n Auger	CHECK	HERE IF P LED	TILESS ADA	PTER IS	
2. DRILLING & CASING INFORMATION	DEPTH (	(feet bgl) TO	BORE HOLE DIAM (inches)	(include ea	ATERIAL ANI GRADE ch casing string, ctions of screen	and	CON	ASING NECTION FYPE	CASI INSIDE I (inche	NG DIAM.	CASIN THIC	CASING WALL THICKNESS (inches)		
NG & CA	0	101	±6.25		oil Boring	/ (ac	id coup	ling diameter)				-		
DRILLI														
3									OSE D	11 567	14 20	Z3 PM2:41		
										_				
IAL	DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM. (inches)		F ANNULAR S EL PACK SIZE	-RANGE BY				OUNT ic feet)		METHO PLACEN		
ANNULAR MATERIAL						N/A								
3. ANN														
-	OSE INTER	NAL USE			POD NO	).	_		20 WELL RE N NO.	CORD &	LOG (۱	Version 01/2	8/2022)	

LOCATION

	DEPTH (f	eet bgl)		COLOR AN	D TYPE OF MATERIAL E	NCOUN	TERED -	w	ATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATE	R-BEARING CAVITIES O plemental sheets to fully d	R FRAC	TURE ZONES	BEA	RING? S / NO)	WATER- BEARING ZONES (gpm)
1	0	4	4	Sand, fine-grai	ned, poorly graded, unconso	olidated,	dark brown	Y	🖌 N	
- 8	4	20	16	Caliche,	consolidated, fine-grained s	and,whit	e/ tan	Y	√ N	
	20	65	45	Sand, fine	-grained, poorly graded, unc	onsolida	ted, tan	Y	√ N	
	65	55 80 15 Gravel, (0.5"), sub rounded, with fine-grained sand, light brown								
1	80	90	10	Sand, fine-grain	ed, with gravel (0.25") sub-	rounded,	light brown	Y	🖌 N	
T	90	101	11	Sand, fine-grai	ned, poorly graded, unconso	olidated,	dark brown	Y	🖌 N	
WEL								Y	N	
0F	-							Y	N	
50								Y	N	
ICL								Y	N	
Ő								Y	N	
4. HYDROGEOLOGIC LOG OF WELL				2				Y	N	
ROG				4				Y	N	1
IXD				1				Y	N	1
4. F								Y	N	
								Y	N	
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	1		Y	N						
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	1							Y	N	
	1							Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING	3 STRATA:		T	TAL EST	IMATED	
	D PUMP		AIR LIFT	BAILER OT	HER – SPECIFY:		v	ELL YIEL	.D (gpm):	0.00
z	WELL TEST	TEST STAR	RESULTS - ATTA T TIME, END TIM	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING IOWING DISCHARGE AN	WELL T	ESTING, INCLU WDOWN OVER	DING DIS THE TEST	CHARGE I	METHOD, DD.
TEST; RIG SUPERVISION	MISCELLAN	IEOUS IN	FORMATION: Te be	mporary well materia low ground surface(b	l removed and soil borin gs), then hydrated bentor	g backfi iite chip	illed using drill s ten feet bgs to	cuttings fro surface.	om total d	epth to ten feet
	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION OI	F WELL CONST	UCTION	OTHER TH	IAN LICENSEF
vî	Shane Eldrid	lge, Came	eron Pruitt			_				
6. SIGNATURE	CORRECT F	ECORD C	OF THE ABOVE D	ESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WIL PLETION OF WELL DRIL	L FILE	GE AND BELIEF THIS WELL REC	, THE FOR	EGOING I H THE ST.	IS A TRUE AN ATE ENGINEE
s. sign.	Jack A	tkins		Jac	kie D. Atkins		<u></u>	09/	13/2023	
		SIGNAT	TURE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
-	R OSE INTERI	IAL USE			(		WR-20 WELL	RECORD	& LOG (Ve	rsion 01/28/2023
FOI	- OOD HULDNI									
-	E NO.				POD NO.		TRN NO.			



# PLUGGING RECORD



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

#### I. GENERAL / WELL OWNERSHIP:

State	Engineer Well Number: <u>C-4769- POD-1</u>			
Well	owner: Matador Production Company		Phone No.:	337-319-8398
Maili	ng address: 5400 Lyndon B Johnson Fwy Suite 1	500		
City:	Dallas	State:	Texas	Zip code:75240
<u>II. W</u>	/ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plugged v	vell: Jackie D	. Atkins ( Atkins Enginee	ring Associates Inc.)
2)	New Mexico Well Driller License No.:		Ex	piration Date:
3)	Well plugging activities were supervised by the Cameron Pruitt	e following w	ell driller(s)/rig supervis	or(s):
4)	Date well plugging began: 09/12/2023	Dat	te well plugging conclud	ed: 09/12/2023
5)	GPS Well Location: Latitude: 32 Longitude: 10	2deg, 03deg,		
6)	Depth of well confirmed at initiation of pluggi by the following manner: water level probe	ing as:10'	1 ft below ground lev	el (bgl),
7)	Static water level measured at initiation of plu	gging:n/a	aft bgl	
8)	Date well plugging plan of operations was app	proved by the S	State Engineer:09/01/2	023
9)	Were all plugging activities consistent with an differences between the approved plugging pla			If not, please describe h additional pages as needed):
			0	SE DIT SEP 14 2023 PM2:40

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

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
_	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
-					
-					
-	10'-101' Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	
-		Approx. 145 gallons		Boning	
-					
-					
·					
-					
-					
				angen en en en e	Consequences of the Analysis of the second
	•) \\		BY AND OBTAIN	USE ON 5	EP 14 2023 pm2:40
		cubic feet x 7.4 cubic yards x 201.9	1805 = gallons 97 = gallons		

#### For each interval plugged, describe within the following columns:

#### **III. SIGNATURE:**

I, Jackie D. Atkins

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

Jack Atkins 9/13/2023

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

# WR-20 Well Record and Log-packet-forsign

Final Audit Report

2023-09-13

Created:	2023-09-13
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA914YOThcZ6aUF6b7ZuFDIABkPmUK-QM_

# "WR-20 Well Record and Log-packet-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2023-09-13 - 8:05:20 PM GMT- IP address: 24.40.85.191
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2023-09-13 - 8:05:56 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2023-09-13 - 8:49:20 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2023-09-13 - 8:52:34 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed. 2023-09-13 - 8:52:34 PM GMT

05E DII SEP 14 2023 M2:40





APPENDIX B

Lithologic Soil Sampling Logs

						Sample Name: BH01	Date: 6/28/24
					R A	Site Name: Voni West TB	
		N S				Incident Number: nAPP241732376	55
						Job Number: 03A2270051	
	LITHOLO			LOG		Logged By: Cole Burton	Method: Hand Auger
Coordinates: 32						Hole Diameter: 3"	Total Depth: 4'
Comments: Fiel			ilizing Mohr	Method Tit	ration for		
Moisture Content Chloride (ppm)	Vapor (ppm)	staining Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
Μ	,	Y BH01	0	L O	CCHE	Caliche - Tan, staining, sligh	t odor
M >3,623	1	N BH01	1	SP-SM	Sand/silt - Dark Brown, no s	taining	
M 2,637	1	N BH01	2	- - 2 -			
M 3,300	1	N BH01	3 _	- - 3 -	SP-SM	Sand/silt - Light Brown, no s	taining
D 200	r	N BH01	4	4			
				Tota	l Depth	= 4	

								Sample Name: BH02	Date: 6/28/24		
				C	ΟΙ			Site Name: Voni West TB			
				3				Incident Number: nAPP241732	23765		
								Job Number: 03A2270051			
		LITHOL	OGI			LOG		Logged By: Cole Burton	Method: Hand Auger		
Coordi		2.0345, -1						Hole Diameter: 3"	Total Depth: 3'		
Comm	ents: Fiel	d screen	ing co	onducted u	tilizing Mohr	Method Tit	ration for	chloride.			
2 -					_	Lithologic Descriptions					
М			Y	BH02	0	0	CCHE	Caliche - Tan, staining, sl	ight odor		
м	<200		N	BH02	_ 1 _ -	- - 1 -	SP-SM	Sand/silt - Dark Brown, n	io staining		
м			N	BH02	2	2					
м	M N BH02 3 3 SP-SM Sand/silt - Light Brown, no staining										
		-									

								Sample Name: BH03	Date: 6/28/24
				C	ΟΙ				
						- 0		Site Name: Voni West TB Incident Number: nAPP24173237	/65
								Job Number: 03A2270051	
		LITHOL	OGI		AMPLING	LOG		Logged By: Cole Burton	Method: Hand Auger
Coordi		2.0347, -1						Hole Diameter: 3"	Total Depth: 3'
					ilizing Mohr	Method Tit	ration for	chloride.	
			-		-				
	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
М			Y	BH03	0	L O	CCHE	Caliche - Tan, staining, sligh	nt odor
					-	-			
м	<200		N	BH03	1	_ 1	SD-SM	Sand/silt - Dark Brown, no	staining
141	~200			BH05	 -		51-5101	Sandy Silt - Dark brown, no	Stanning
					-	-			
М			Ν	BH03	2	2			
					-	-			
						-	0.0115		
м			Ν	BH03	3 _	3	CCHE	Caliche - Tan, no odor	
					-	-	l Depth		
/									
<u> </u>									

								Sample Name: BH04	Date: 6/28/24		
				C	ΟΙ			Site Name: Voni West TB			
				3				Incident Number: nAPP241732	23765		
								Job Number: 03A2270051			
		LITHOL	OGI	C / SOIL S		LOG		Logged By: Cole Burton	Method: Hand Auger		
Coordi		2.0345, -1						Hole Diameter: 3"	Total Depth: 3'		
					tilizing Mohr	Method Tit	ration for	chloride.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions		
М			Y	BH04	0 ]	L 0	CCHE	Caliche - Tan, staining, sli	ight odor		
м	<200		N	BH04	_ 1 _ -	- _ 1	SP-SM	Sand/silt - Dark Brown, n	no staining		
м	<200		N	BH04	2	2					
м	M N BH04 3 3 SP-SM Sand/silt - Light Brown, no staining										

								Sample Name: BH05	Date: 6/28/24		
				C				Site Name: Voni West TB	•		
E N S O L U M						Incident Number: nAPP2417323765					
							Job Number: 03A2270051				
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Cole Burton	Method: Hand Auger			
Coordinates: 32.0347, -103.7861							Hole Diameter: 3"	Total Depth: 3'			
Comments: Field screening conducted utilizing Mohr Method Titration for								chloride.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Descriptions		
Μ			Y	BH05	0 [	ΙO	CCHE	Caliche - Tan, staining, sli	ght odor		
					-	-					
М	<200		Ν	BH05	1	1	SP-SM	Sand/silt - Dark Brown, no	o staining		
				200							
					_	-					
М	<200		Ν	BH05	2	2					
					-	-					
М			Ν	BH05	3	3	SP-SM	  Sand/silt - Light Brown, n	o staining		
				51105	· ·						
$Total Doath = 2^{1}$											
Total Depth = 3'											
	-										



APPENDIX C

Photographic Log













# APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation





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:

Voni West TB

Work Order: E406263

Job Number: 23003-0002

Received: 7/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/8/24

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: 7/8/24

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

Project Name: Voni West TB Workorder: E406263 Date Received: 7/1/2024 10:30:00AM

Ashley Giovengo,



Page 34 of 158

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/1/2024 10:30:00AM, under the Project Name: Voni West TB.

The analytical test results summarized in this report with the Project Name: Voni West 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

		Sample Sum	mary		
Aatador Resources, LLC. 400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name:Voni West TBProject Number:23003-0002Project Manager:Ashley Giovengo			<b>Reported:</b> 07/08/24 10:34
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
501-0'	E406263-01A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
502-0'	E406263-02A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
503-0'	E406263-03A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
504-0'	E406263-04A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
\$05-0'	E406263-05A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
506-0'	E406263-06A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
507-0'	E406263-07A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
508-0'	E406263-08A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
509-0'	E406263-09A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
S10-0'	E406263-10A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H01-0'	E406263-11A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H01-4'	E406263-12A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H02-0'	E406263-13A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H02-1'	E406263-14A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H03-0'	E406263-15A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H03-1'	E406263-16A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H04-0'	E406263-17A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H04-1'	E406263-18A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H05-0'	E406263-19A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.
H05-1'	E406263-20A	Soil	06/27/24	07/01/24	Glass Jar, 2 oz.



	~	Jumpie D				
Matador Resources, LLC.	Project Nam	e: Von	i West TB			
5400 LBJ Freeway, Suite 1500	Project Num	iber: 230	03-0002			Reported:
Dallas TX, 75240	Project Man	ager: Ash	ley Giovengo			7/8/2024 10:34:57AN
		SS01-0'				
		E406263-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/01/24	
Toluene	ND	0.0250	1	07/01/24	07/01/24	
o-Xylene	ND	0.0250	1	07/01/24	07/01/24	
p,m-Xylene	ND	0.0500	1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/01/24	
urrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/01/24	07/01/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/01/24	07/01/24	
Surrogate: n-Nonane		89.2 %	50-200	07/01/24	07/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2427012
Chloride	53.6	20.0	1	07/01/24	07/02/24	

## Sample Data



	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb		i West TB 03-0002				Reported:
Dallas TX, 75240	Project Manag		ley Gioven	go			7/8/2024 10:34:57AM
		SS02-0'					
		E406263-02					
		Reporting					
Analyte	Result	Limit	Dilı	ition	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2427006	
Benzene	ND	0.0250		1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250		1	07/01/24	07/01/24	
Toluene	ND	0.0250		1	07/01/24	07/01/24	
p-Xylene	ND	0.0250		1	07/01/24	07/01/24	
p,m-Xylene	ND	0.0500		1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250		1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КН		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/01/24	
Surrogate: n-Nonane		91.8 %	50-200		07/01/24	07/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2427012
Chloride	324	20.0		1	07/01/24	07/02/24	

		E406263-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/01/24	
Toluene	ND	0.0250	1	07/01/24	07/01/24	
o-Xylene	ND	0.0250	1	07/01/24	07/01/24	
p,m-Xylene	ND	0.0500	1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/01/24	07/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/01/24	07/01/24	
Surrogate: n-Nonane		88.6 %	50-200	07/01/24	07/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427012
Chloride	55.3	20.0	1	07/01/24	07/02/24	

	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	ber: 2300	i West TB 03-0002	Reported:			
Dallas TX, 75240	Project Manag	ger: Ash	ley Gioven	go			7/8/2024 10:34:57AM
		SS04-0'					
		E406263-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2427006	
Benzene	ND	0.0250		1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250		1	07/01/24	07/01/24	
Toluene	ND	0.0250		1	07/01/24	07/01/24	
o-Xylene	ND	0.0250		1	07/01/24	07/01/24	
p,m-Xylene	ND	0.0500		1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250		1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КН		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/01/24	
Surrogate: n-Nonane		89.2 %	50-200		07/01/24	07/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2427012
Chloride	278	20.0		1	07/01/24	07/02/24	



	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	i West TB 03-0002 ley Giover	igo			<b>Reported:</b> 7/8/2024 10:34:57AM
		SS05-0'	-				
		E406263-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2427006	
Benzene	ND	0.0250		1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250		1	07/01/24	07/01/24	
Toluene	ND	0.0250		1	07/01/24	07/01/24	
p-Xylene	ND	0.0250		1	07/01/24	07/01/24	
o,m-Xylene	ND	0.0500		1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250		1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/01/24	
Surrogate: n-Nonane		89.8 %	50-200		07/01/24	07/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2427012
Chloride	179	20.0		1	07/01/24	07/02/24	

	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	i West TB 03-0002 ley Gioveng	go			<b>Reported:</b> 7/8/2024 10:34:57AM
		SS06-0'					
		E406263-06					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2427006	
Benzene	ND	0.0250	i	1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250	:	1	07/01/24	07/01/24	
Toluene	ND	0.0250	:	1	07/01/24	07/01/24	
p-Xylene	ND	0.0250	1	1	07/01/24	07/01/24	
o,m-Xylene	ND	0.0500	1	1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250	1	1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КН		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0	:	1	07/01/24	07/01/24	
Dil Range Organics (C28-C36)	ND	50.0	:	1	07/01/24	07/01/24	
Surrogate: n-Nonane		88.9 %	50-200		07/01/24	07/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2427012
Chloride	429	20.0	1	1	07/01/24	07/02/24	

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/01/24	
Toluene	ND	0.0250	1	07/01/24	07/01/24	
o-Xylene	ND	0.0250	1	07/01/24	07/01/24	
p,m-Xylene	ND	0.0500	1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2427006
	mg/kg ND	mg/kg 20.0	Analyst 1	:: IY 07/01/24	07/01/24	Batch: 2427006
Gasoline Range Organics (C6-C10)			Analyst 1 70-130		07/01/24 07/01/24	Batch: 2427006
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID		20.0	1	07/01/24 07/01/24		Batch: 2427006 Batch: 2427007
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28)	ND	20.0 94.8 %	1 70-130	07/01/24 07/01/24		
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID Nonhalogenated Organics by EPA 8015D - DRO/ORO	ND mg/kg	20.0 94.8 % mg/kg	1 70-130	07/01/24 07/01/24 :: KH	07/01/24	
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28)	ND mg/kg ND	20.0 94.8 % mg/kg 25.0	1 70-130	07/01/24 07/01/24 :: KH 07/01/24	07/01/24	
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND mg/kg ND	20.0 94.8 % mg/kg 25.0 50.0	1 70-130 Analyst 1 1	07/01/24 07/01/24 :: KH 07/01/24 07/01/24 07/01/24	07/01/24 07/01/24 07/01/24	

	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	i West TB 03-0002 ley Giover	igo			<b>Reported:</b> 7/8/2024 10:34:57AM
		SS08-0'					
		E406263-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2427006	
Benzene	ND	0.0250		1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250		1	07/01/24	07/01/24	
Toluene	ND	0.0250		1	07/01/24	07/01/24	
p-Xylene	ND	0.0250		1	07/01/24	07/01/24	
o,m-Xylene	ND	0.0500		1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250		1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/01/24	
Surrogate: n-Nonane		89.4 %	50-200		07/01/24	07/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2427012
Chloride	186	20.0		1	07/01/24	07/02/24	



	Sample Data									
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2300	i West TB )3-0002 ley Giovengo			<b>Reported:</b> 7/8/2024 10:34:57AM				
		SS09-0'								
		E406263-09								
		Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2427006				
Benzene	ND	0.0250	1	07/01/24	07/01/24					
Ethylbenzene	ND	0.0250	1	07/01/24	07/01/24					
Toluene	ND	0.0250	1	07/01/24	07/01/24					
p-Xylene	ND	0.0250	1	07/01/24	07/01/24					
o,m-Xylene	ND	0.0500	1	07/01/24	07/01/24					
Total Xylenes	ND	0.0250	1	07/01/24	07/01/24					
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	07/01/24	07/01/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2427006				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/24	07/01/24					
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	07/01/24	07/01/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2427007				
Diesel Range Organics (C10-C28)	ND	25.0	1	07/01/24	07/02/24					
Dil Range Organics (C28-C36)	ND	50.0	1	07/01/24	07/02/24					
Surrogate: n-Nonane		93.5 %	50-200	07/01/24	07/02/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427012				
Chloride	388	20.0	1	07/01/24	07/02/24					



		E406263-10					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Batch: 2427006				
Benzene	ND	0.0250	1		07/01/24	07/01/24	
Ethylbenzene	ND	0.0250	1		07/01/24	07/01/24	
Toluene	ND	0.0250	1		07/01/24	07/01/24	
o-Xylene	ND	0.0250	1		07/01/24	07/01/24	
p,m-Xylene	ND	0.0500	1		07/01/24	07/01/24	
Total Xylenes	ND	0.0250	1		07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY			Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: Kl	Н		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0	1		07/01/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1		07/01/24	07/02/24	
Surrogate: n-Nonane		85.6 %	50-200		07/01/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: W	F		Batch: 2427012
Chloride	140	20.0	1		07/01/24	07/02/24	

	S	Sample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Man	<b>Reported:</b> 7/8/2024 10:34:57AM				
		BH01-0' E406263-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Analyst: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/01/24	
Toluene	ND	0.0250	1	07/01/24	07/01/24	
p-Xylene	ND	0.0250	1	07/01/24	07/01/24	
o,m-Xylene	ND	0.0500	1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/24	07/01/24	

Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analy	st: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/02/24	
Surrogate: n-Nonane		85.7 %	50-200		07/01/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analy	st: WF		Batch: 2427012
Chloride	14500	400		20	07/01/24	07/02/24	

	Samj	ple Dat	a			8
Matador Resources, LLC.	Project Name:	Voni W	est TB			
5400 LBJ Freeway, Suite 1500	Project Number:	: 23003-0002			Reported:	
Dallas TX, 75240	Project Manager:	Ashley Giovengo		Ashley Giovengo		7/8/2024 10:34:57AM
	BH	01-4'				
	E406	263-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/01/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/01/24	
Toluene	ND	0.0250	1	07/01/24	07/01/24	
o-Xylene	ND	0.0250	1	07/01/24	07/01/24	
p,m-Xylene	ND	0.0500	1	07/01/24	07/01/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/01/24	

Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	t: IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130		07/01/24	07/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	t: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/02/24	
Surrogate: n-Nonane		94.2 %	50-200		07/01/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	t: WF		Batch: 2427012
Chloride	107	20.0		1	07/01/24	07/02/24	



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Nonhalogenated Organics by EPA 8015D - GRO

Received by 0 eD. 7/14/2024 12.00.271	172					1 uge 00 0j
	Sam	ple Dat	ta			
Matador Resources, LLC.	Project Name:	Voni V	Vest TB			
5400 LBJ Freeway, Suite 1500	Project Number:	Project Number: 23003-0002				Reported:
Dallas TX, 75240	Project Manager:	Project Manager: Ashley Giovengo				7/8/2024 10:34:57AM
	BH	02-0'				
	E406	263-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/02/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/02/24	
Toluene	ND	0.0250	1	07/01/24	07/02/24	

0.0250

0.0500

0.0250

mg/kg

20.0

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

1

1

1

1

Analyst: IY

70-130

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

Batch: 2427006

Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130		07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Anal	yst: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/02/24	
Surrogate: n-Nonane		92.2 %	50-200		07/01/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Anal	yst: WF		Batch: 2427012
Chloride	3920	40.0		2	07/01/24	07/02/24	

93.7 %

ND

ND

ND

mg/kg

ND



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Nonhalogenated Organics by EPA 8015D - GRO

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Received by OCD: 9/14/2024 12:00:29	4M					Page 51 of 1
	Sam	ple Dat	a			
Matador Resources, LLC.	Project Name:	Voni W	est TB			
5400 LBJ Freeway, Suite 1500	Project Number:	Project Number: 23003-0002				Reported:
Dallas TX, 75240	Project Manager:	r: Ashley Giovengo				7/8/2024 10:34:57AM
	BH	[02-1'				
	E400	5263-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/02/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/02/24	

0.0250

0.0250

0.0500

0.0250

mg/kg

20.0

mg/kg

25.0

50.0

mg/kg

20.0

93.4 %

94.3 %

89.0 %

ND

ND

ND

ND

mg/kg

ND

mg/kg

ND

ND

mg/kg

45.2

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

1

1

1

1

1

1

1

1

Analyst: IY

Analyst: KH

Analyst: WF

70-130

70-130

50-200

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

Batch: 2427006

Batch: 2427007

Batch: 2427012

P	env

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Nonhalogenated Organics by EPA 8015D - GRO

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Received by 0 CD. 7/14/2024 12.00.27						I uge 5	<i>"</i> • • j
	Samj	ple Dat	a				
Matador Resources, LLC.	Project Name:	Voni W	est TB				
5400 LBJ Freeway, Suite 1500	Project Number:	Project Number: 23003-0002			Reported:		
Dallas TX, 75240	Project Manager:	-				7/8/2024 10:34:57AM	
	BH	03-0'					
	E406	263-15					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	IY		Batch: 2427006	
Benzene	ND	0.0250	1	07/01/24	07/02/24		
Ethylbenzene	ND	0.0250	1	07/01/24	07/02/24		
Toluene	ND	0.0250	1	07/01/24	07/02/24		
o-Xylene	ND	0.0250	1	07/01/24	07/02/24		

0.0500

0.0250

mg/kg

20.0

mg/kg

25.0

50.0

mg/kg

100

94.1 %

94.6 %

92.6 %

ND

ND

mg/kg

ND

mg/kg

43.8

ND

mg/kg

5690

1

1

1

1

1

5

Analyst: IY

Analyst: KH

Analyst: WF

70-130

70-130

50-200

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/01/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

07/02/24

Batch: 2427006

Batch: 2427007

Batch: 2427012

P	env

Toluene

o-Xylene

Samj	ple Dat	a			
Project Name:	Voni W	est TB			
Project Number:	23003-0	0002			Reported:
Project Manager:	Ashley	Giovengo			7/8/2024 10:34:57AM
BH	03-1'				
E406	263-16				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst	: IY		Batch: 2427006
ND	0.0250	1	07/01/24	07/02/24	
ND	0.0250	1	07/01/24	07/02/24	
	Samj Project Name: Project Number: Project Manager: BH E406 Result mg/kg ND	Sample Dat     Project Name:   Voni W     Project Number:   23003-1     Project Manager:   Ashley     BH03-1'   E406263-16     Result   Limit     mg/kg   mg/kg     ND   0.0250	Sample Data     Project Name:   Voni West TB     Project Number:   23003-0002     Project Manager:   Ashley Giovengo     BH03-1'   BH03-1'     E406263-16   Reporting     Result   Limit   Dilution     mg/kg   mg/kg   Analyst     ND   0.0250   1	Sample DataProject Name:Voni West TBProject Number:23003-0002Project Manager:Ashley GiovengoBH03-1'E406263-16ResultLimitDilutionPreparedmg/kgmg/kgAnalyst: I'ND0.0250107/01/24	Sample DataProject Name:Voni West TBProject Number:23003-0002Project Manager:Ashley GiovengoBH03-1'E406263-16ResultLimitDilutionPreparedAnalyzedmg/kgmg/kgAnalyst: IYND0.0250107/01/24OT/02/24

0.0250

0.0250

1

1

07/01/24

07/01/24

07/02/24

07/02/24

p,m-Xylene	ND	0.0500		1	07/01/24	07/02/24	
Total Xylenes	ND	0.0250		1	07/01/24	07/02/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130		07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130		07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/02/24	
	ND ND	25.0 50.0		1 1	07/01/24 07/01/24	07/02/24 07/02/24	
Oil Range Organics (C28-C36)			50-200	1			
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36) Surrogate: n-Nonane Anions by EPA 300.0/9056A		50.0	50-200	1 1 Analyst	07/01/24 07/01/24	07/02/24	Batch: 2427012

ND

ND



		E406263-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/02/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/02/24	
Toluene	ND	0.0250	1	07/01/24	07/02/24	
o-Xylene	ND	0.0250	1	07/01/24	07/02/24	
p,m-Xylene	ND	0.0500	1	07/01/24	07/02/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/02/24	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/24	07/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/01/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/01/24	07/02/24	
Surrogate: n-Nonane		90.6 %	50-200	07/01/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427012
Chloride	9530	200	10	07/01/24	07/02/24	

	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	i West TB 03-0002 ley Gioven	go			<b>Reported:</b> 7/8/2024 10:34:57AM
		BH04-1'					
		E406263-18					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst:	IY		Batch: 2427006
Benzene	ND	0.0250		1	07/01/24	07/02/24	
Ethylbenzene	ND	0.0250		1	07/01/24	07/02/24	
Toluene	ND	0.0250		1	07/01/24	07/02/24	
o-Xylene	ND	0.0250		1	07/01/24	07/02/24	
p,m-Xylene	ND	0.0500		1	07/01/24	07/02/24	
Total Xylenes	ND	0.0250		1	07/01/24	07/02/24	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130		07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/01/24	07/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130		07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0		1	07/01/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/01/24	07/02/24	
Surrogate: n-Nonane		89.0 %	50-200		07/01/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2427012
Chloride	42.4	20.0		1	07/01/24	07/02/24	

Dallas TX, 75240

		BH05-0'				
		E406263-19				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/02/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/02/24	
Toluene	ND	0.0250	1	07/01/24	07/02/24	
o-Xylene	ND	0.0250	1	07/01/24	07/02/24	
p,m-Xylene	ND	0.0500	1	07/01/24	07/02/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/02/24	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2427006
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/24	07/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2427007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/01/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/01/24	07/02/24	
Surrogate: n-Nonane		84.3 %	50-200	07/01/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2427012
Chloride	10800	200	10	07/01/24	07/02/24	

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2427006
Benzene	ND	0.0250	1	07/01/24	07/02/24	
Ethylbenzene	ND	0.0250	1	07/01/24	07/02/24	
Toluene	ND	0.0250	1	07/01/24	07/02/24	
o-Xylene	ND	0.0250	1	07/01/24	07/02/24	
p,m-Xylene	ND	0.0500	1	07/01/24	07/02/24	
Total Xylenes	ND	0.0250	1	07/01/24	07/02/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	07/01/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2427006
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10)	mg/kg ND	mg/kg 20.0	Analyst 1	: IY 07/01/24	07/02/24	Batch: 2427006
			Analyst 1 70-130		07/02/24 07/02/24	Batch: 2427006
Gasoline Range Organics (C6-C10)		20.0	1	07/01/24 07/01/24		Batch: 2427006
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID	ND	20.0 95.0 %	1 70-130	07/01/24 07/01/24		
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID Nonhalogenated Organics by EPA 8015D - DRO/ORO	ND mg/kg	20.0 95.0 % mg/kg	1 70-130	07/01/24 07/01/24 : KH	07/02/24	
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28)	ND mg/kg ND	20.0 95.0 % mg/kg 25.0	1 70-130	07/01/24 07/01/24 : KH 07/01/24	07/02/24	
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND mg/kg ND	20.0 95.0% mg/kg 25.0 50.0	1 70-130 Analyst 1 1	07/01/24 07/01/24 : KH 07/01/24 07/01/24 07/01/24	07/02/24 07/02/24 07/02/24	

# QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	oni West TB 3003-0002 shley Gioveng	20				<b>Reported:</b> 7/8/2024 10:34:57AM
,		, 0		by EPA 802					Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
2	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427006-BLK1)							Prepared: 0	7/01/24 A	nalyzed: 07/01/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
oluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Jurrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			
LCS (2427006-BS1)							Prepared: 0	7/01/24 A	nalyzed: 07/01/24
Benzene	4.95	0.0250	5.00		99.1	70-130			
Ithylbenzene	4.96	0.0250	5.00		99.1	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
-Xylene	4.95	0.0250	5.00		98.9	70-130			
,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
urrogate: 4-Bromochlorobenzene-PID	7.44		8.00		92.9	70-130			
Matrix Spike (2427006-MS1)				Source:	E406263-	03	Prepared: 0	7/01/24 A	nalyzed: 07/01/24
Benzene	4.93	0.0250	5.00	ND	98.6	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133			
Toluene	4.99	0.0250	5.00	ND	99.7	61-130			
-Xylene	4.92	0.0250	5.00	ND	98.3	63-131			
,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.6	63-131			
urrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			
Matrix Spike Dup (2427006-MSD1)				Source:	E406263-	03	Prepared: 0	7/01/24 A	nalyzed: 07/01/24
Benzene	4.64	0.0250	5.00	ND	92.8	54-133	6.05	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133	5.73	20	
oluene	4.70	0.0250	5.00	ND	94.1	61-130	5.86	20	
-Xylene	4.65	0.0250	5.00	ND	93.0	63-131	5.60	20	
	9.47	0.0500	10.0	ND	94.7	63-131	5.75	20	
,m-Xylene	2.1.7	0.0500			,			20	



## **QC Summary Data**

		QC D	umm	ii y Data	1				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	oni West TB 3003-0002 shley Gioveng	0				<b>Reported:</b> 7/8/2024 10:34:57AM
	No	nhalogenated (	Organics	by EPA 801	5D - GI	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427006-BLK1)							Prepared: 0	7/01/24 A	nalyzed: 07/01/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			
LCS (2427006-BS2)							Prepared: 0	7/01/24 A	nalyzed: 07/01/24
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
Matrix Spike (2427006-MS2)				Source:	E406263-(	03	Prepared: 0	7/01/24 A	analyzed: 07/01/24
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
Matrix Spike Dup (2427006-MSD2)				Source:	E406263-(	03	Prepared: 0	7/01/24 A	analyzed: 07/01/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.3	70-130	3.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

## QC Summary Data

		QC SI	u1111110	iry Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	oni West TB 8003-0002 shley Giovengo					<b>Reported:</b> 7/8/2024 10:34:57AM
	Nonh	alogenated Orga	anics by	EPA 8015D	- DRO	/ORO			Analyst: KH
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427007-BLK1)							Prepared: 0	7/01/24 A	analyzed: 07/01/24
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	44.8		50.0		89.6	50-200			
LCS (2427007-BS1)							Prepared: 0	7/01/24 A	analyzed: 07/01/24
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike (2427007-MS1)				Source: E	406263-	08	Prepared: 0	7/01/24 A	analyzed: 07/01/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			
Matrix Spike Dup (2427007-MSD1)				Source: E	406263-	08	Prepared: 0	7/01/24 A	analyzed: 07/01/24
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132	3.21	20	
Surrogate: n-Nonane	47.3		50.0		94.6	50-200			



## **QC Summary Data**

	QU N	unin,	ary Data	•				
	Project Name: Project Number:							Reported:
	Project Manager:	: A	shley Giovengo	)				7/8/2024 10:34:57AM
	Anions	by EPA	300.0/9056A					Analyst: WF
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	7/01/24 A	nalyzed: 07/02/24
ND	20.0							
						Prepared: 0	7/01/24 A	nalyzed: 07/02/24
253	20.0	250		101	90-110			
			Source: I	E406263-0	08	Prepared: 0	7/01/24 A	nalyzed: 07/02/24
443	20.0	250	186	103	80-120			
			Source: I	E <b>406263-</b> (	)8	Prepared: 0	7/01/24 A	nalyzed: 07/02/24
440	20.0	250	186	102	80-120	0.749	20	
-	mg/kg ND 253 443	Project Name:   Project Number:   Project Manager   Anions   Reporting   Limit   mg/kg   ND   253   20.0   443   20.0	Project Name: N   Project Number: 2   Project Manager: A   Anions by EPA   Result Reporting mg/kg Spike Level mg/kg   ND 20.0   253 20.0 250   443 20.0 250	Project Name: Voni West TB   Project Number: 23003-0002   Project Manager: Ashley Giovenge     Anions by EPA 300.0/9056A     Result Spike   MD 20.0     ND 20.0     Source:   Head   443 20.0     Source:     Source:	Project Name:   Voni West TB     Project Number:   23003-0002     Project Manager:   Ashley Giovengo     Anions by EPA 300.0/9056A     Result   Reporting   Spike   Source     Mp/kg   mg/kg   mg/kg   %     ND   20.0   250   101     Source:   E406263-0   103     443   20.0   250   186	Voni West TBProject Name:23003-0002Project Number:23003-0002Project Manager:Ashley GiovengoAnions by EPA 300.0/9056AResult Limit Level Result Result mg/kgRecMD20.010125320.0250Source: E406263-0844320.0250Ide ItalSource: E406263-08	Voni West TBProject Name:23003-0002Project Number:23003-0002Project Manager:Ashley GiovengoAnions by EPA 300.0/9056AResultResultReportingSpikeSourceRecLimitsRPDMg/kgmg/kgmg/kgmg/kg%%%ND20.0Prepared: 0ND20.0Source: E406263-08Prepared: 0MD20.0Source: E406263-08Prepared: 0MD20.0Source: E406263-08Prepared: 0MD20.010190-11090-110EaseEaseEasePrepared: 0MD20.010190-11090-110EaseEaseEasePrepared: 0MD20.025010190-110EaseEasePrepared: 0MD20.025010190-110EaseEasePrepared: 0MD20.025010190-110EaseEasePrepared: 0MD20.025010190-120MD20.025010190-110MD20.025010190-120MD20.025010190-120MD20.025010190-120MD20.025010190-120MD20.025010190-120MD20.0	Project Name:     Voni West TB       Project Number:     23003-0002       Project Manager:     Ashley Giovengo         Anions by EPA 300.0/9056A         Result     Reporting     Spike     Source     Rec     Limits     RPD     Limit       mg/kg     Mg/kg     mg/kg     mg/kg     Mg/kg     Mg/kg     Mg/kg     Mg/kg     RPD     Limit       ND     20.0     250     101     90-110     Prepared: 07/01/24     A       443     20.0     250     186     103     80-120     Prepared: 07/01/24     A

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.



Matador Resources, LLC.	Project Name:	Voni West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/08/24 10:34

ND	Analyte NOT DETECTED at or above the reporting limit
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- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





## **Chain of Custody**

			- • •		Invoice Information							<b>h</b> 11-	0.0-1	h.				TAT	<u> </u>		State			
		nt Inform							<u> </u>				e On				10			NIA C				
	Matador Prod		ompany			mpany: Ensolum LLC			— La	b WO#	‡ ^つ!	2		vumi vaz	oer .cm	sha-	10	2D 3D	x		CO UT			
	Voni West T					dress: 3122 National Parl	-		뉴트	<u>qo</u> v		62	25	<u>50</u>		۲٦			^	<u>^</u>				
	Manager: As					y, State, Zip: Carlsbad NN	<u>1, 88220</u>			Analysis and l							Method EPA Program					<u>m</u>		
	3122 Nation							Phone: 575-988-0055						19515		VIEL			- +	SDWA	CWA	RCRA		
	te, Zip: Carls 575-988-005		88220		Email: agiovengo@ensolum.c			Miscellaneous:													-	30 MA		
	giovengo@e					cellaneous:														Complian	ce Y	or N		
	giovengowe	isolum.c								8015	8015						<u>,</u>			PWSID #				
				Samr	ample Information					-  <u>à</u>	Ą	3021	ଞ୍ଚ	8 R	δ	Ĕ	Aeta							
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Filter	Lab Numbe		GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks			
12:40	6/27/2024	Soil	1			SS01 - 0'			1				-		x									
10:42	6/27/2024	Soil	1			SS02 - 0'			2						x									
10:46	6/27/2024	Soil	1			SS03 - 0'			3						x									
12:43	6/27/2024	Soil	1			SS04 - 0'			4						x									
12:44	6/27/2024	Soil	1			SS05 - 0'			5						x									
12:46	6/27/2024	Soil	1			SS06 - 0'			6						x									
13:48	6/27/2024	Soil	1			SS07 - 0'			٦						x									
13:23	6/27/2024	Soil	1			SS08 - 0'			8						x									
10:58	6/27/2024	Soil	1			SS09 - 0'			9						x									
10:59	6/27/2024	Soil	1			SS10 - 0'			10						x									
ddition	al Instructio	ns: Plea	ase CC: cb	urton@e	nsolum.com,	agiovengo@ensolum.co	m, iestr	ella(	@ensol	um.co	m, be	deal(	@ens	olun	1.con	ı, ch	amilt	on@ens	solum	.com				
	pler), attest to the :Cole Burton	e validity and	authenticity	of this sample	e. I am aware tha	t tampering with or intentionally m	islabeling t	he sar	mple locat	ion, date	e or tim	e of co	ollection	n is col	nsidere	d frau	d and n	ay be grou	inds for	legal action				
	ed by: Signatur	3	Date 6/7	28124	Time 7:30	Vichelle Gorz	ales	Date	12.24	Time 5	730	>				d or re	ceived p	acked in ice	at an avg	temp above	d on ice the day O but less than			
leiinquish Mic	ed by: (Signatur	ej mzale	A Date	75:24	Time 1630	Received by: (Signature)	880		28.1		16	<u> 30</u>			Rece	eived	on io		ab Us	e Only				
c la	ed by: (Signatur	ĽØ.	IDate	28.24	2230	Received by: (Signature) Cllexa Hichae	ls	_	1124		03	0			<u>T1</u>			<u>T2</u>			<u>T3</u>			
	ed by: (Signatu		Date		Time	Received by: (Signature)		Date		Time					AVG			4						
	rix: S - Soil, Sd - S					arrangements are made. Haza												ISS, V - V(		for the ana	lysis of the	above		
iote: Sam amples is	ples are discard applicable only	ed 14 days	arter result	s are report	ted unless other	arrangements are made. Haza	i uous san	riples	will be r	ecurned		encor	aisho	eu Vi	a. 116	; cuell	r evhe	nae. mei	spore	or one alle				

## **Chain of Custody**

															_				-			
	Clier	nt Inform	ation			Invoice Informa	tion						e Onl							State		
	Aatador Prod	· · · ·	ompany			npany: Ensolum LLC			_ Lab	WO#	<u>.</u>	اے		umb (\\?	ber	$\mathbf{A}$	1D 2	D 3D	Std			
	Voni West T					tress: 3122 National Par			ᅴᆂᅋ	400	20	20	43		y.u			P	×	×		
	<u> Aanager: Asi</u>					v, State, Zip: Carlsbad NN	<u>N, 88220</u>			<b></b>			Anal	erie -	and N	lath			EPA Program			
	3122 Nation					ne: 575-988-0055	-	<u>├</u>	- T	- T	Anar	1315 (				1 1		SDWA CWA RCR/				
	e, Zip: Carls 575-988-005		88220					Email: agiovengo@ensolum.com											H			
	giovengo@e				Miscellaneous:											6	ompliance Y or					
	RIOVENEOWE	15010111.0								81	801	_		o,	_	Ĵ	5		P	WSID #		
				Sample	e Informatio	on				٦ و	р С	802	8260	8	₹	5	Meta		Γ			
Time Sampled	Date Sampled	Matrix	No. of Containers	••		Sample ID		Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks		
11:55	6/27/2024	Soil	1			BH01 - 0'			11						x							
12:40	6/27/2024	Soil	1			BH01 - 4'			12						x							
11:38	6/27/2024	Soil	1			BH02 - 0'			13						x							
11:45	6/27/2024	Soil	1			BH02 - 1'			14						x							
11:09	6/27/2024	Soil	1			вноз - 0'			15						x							
11:20	6/27/2024	Soil	1			BH03 - 1'			10						x							
10:47	6/27/2024	Soil	1			BH04 - 0'			П						x							
10:58	6/27/2024	Soil	1			BH04 - 1'			18						x							
10:31	6/27/2024	Soil	1			BH05 - 0'			19						x							
10:36	6/27/2024	Soil	1			BH05 - 1'			20						x							
dditio	nal Instructio	ns: Plea	ase CC: cb	ourton@en	solum.com,	agiovengo@ensolum.co	om, iestr	ella@	ensolu	m.coi	m, bd	leal@	Penso	olum	n.com	, cha	amilto	on@ens	olum.	com		
	pler), attest to the :Cole Burton	e validity and	iauthenticity	of this sample.	I am aware tha	t tampering with or intentionally r	nislabeling t	he sam;	ple locatio	on, date	or time	e of co	llection	is con	sidered	frauc	d and m	ay be grour	nds for le	egal action.		
	ed by: (Signatu	re) L	Date	28/24	me 7:30	received by fignature)	ales	Date	1524	Time	730	2				or rec	elved pa	cked in ice a	t an avg t	t be received on ice the day they are emp above 0 but less than 6 °C on		
Mie	ed by Signato	onzal		25-24	ime 1630	Received by: (Signature)	Q.	<b>6.</b> 2	8.20		6	30			Rece	Lab Use Only eceived on ice:				e Only		
telinopist	ed by: (Signatu	488	Date		<u> 2230</u>	Received by: (Signature) Alexa Micha	els		124		<u>)3(</u>	0			T1			<u>T2_</u>		<u>T3</u>		
elinquish	ed by: (Signatu	re)	Date	<b>ч</b> т	ime	Received by: (Signature)		Date		Time					AVG	Tem	ip °C_	<u>4</u>				
ample Ma	trix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aque	ous, O - Other		arrangements are made. Haza	ardaus er -											ss, v - VO		or the analysis of the above		
Iote: Sam	ples are discard applicable only	ed 14 days	atter resul	ts are reporte	a unless other	arrangements are made. Haza	aroous san	ipies w	nii ve ret	unred	to cire	ant of	uspos		a. 1118 +	cueil	c expe		eporen	. the analysis of the book		

## **Envirotech Analytical Laboratory**

## Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	07/01/24	10:30	Work Order ID:	E406263
Phone:	(972) 371-5200 Da	te Logged In:	06/28/24	15:49	Logged In By:	Raina Schwanz
Email:		e Date:	07/09/24	17:00 (4 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match t	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commen	ts/Resolution
Sample '	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample tem	perature: 4°	С			
	<u>Container</u>		_			
	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			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	bel					
	field sample labels filled out with the minimum information	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
-	Preservation	muad?	No			
	the COC or field labels indicate the samples were prese sample(s) correctly preserved?	i veu :	No NA			
	o filteration required and/or requested for dissolved meta	ls?	NA			
			110			
	ase Sample Matrix		<b>.</b>			
	s, does the COC specify which phase(s) is to be analyzed	19	No			
		11	NA			
	ract Laboratory		_			
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so	who'l	NA	Subcontract Lab: NA		

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



envirotech Inc.





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:

Voni West TB

Work Order: E408239

Job Number: 23003-0002

Received: 8/28/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/4/24

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: 9/4/24

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

Project Name: Voni West TB Workorder: E408239 Date Received: 8/28/2024 7:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2024 7:00:00AM, under the Project Name: Voni West TB.

The analytical test results summarized in this report with the Project Name: Voni West 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

		Sample Sum				
Matador Resources, LLC.		Project Name:	Voni West TB		Reported:	
5400 LBJ Freeway, Suite 1500		Project Number: Project Manager:	23003-0002		-	
Dallas TX, 75240	vallas TX, 75240		Ashley Giovengo		09/04/24 16:41	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
FS01 - 0'	E408239-01A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS02 - 0'	E408239-02A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS03 - 0'	E408239-03A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS04 - 0'	E408239-04A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
<sup>7</sup> S05 - 0'	E408239-05A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS06 - 0'	E408239-06A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS07 - 0'	E408239-07A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
<sup>7</sup> S08 - 0'	E408239-08A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS09 - 0'	E408239-09A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
'S10 - 0'	E408239-10A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
S11 - 0'	E408239-11A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
S12 - 0'	E408239-12A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
<sup>5</sup> S13 - 0'	E408239-13A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
'S14 - 0'	E408239-14A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS15 - 0'	E408239-15A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS16 - 0'	E408239-16A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS17 - 0'	E408239-17A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS18 - 0'	E408239-18A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
S19 - 0'	E408239-19A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS23 - 0'	E408239-20A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS25 - 0'	E408239-21A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	
FS26 - 0'	E408239-22A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.	



	~	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	i West TB )3-0002 ley Gioveng	go			<b>Reported:</b> 9/4/2024 4:41:04PM
		FS01 - 0'					
		E408239-01					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
o,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Fotal Xylenes	ND	0.0250	i	1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0	i	1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/28/24	08/30/24	
urrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435071
Diesel Range Organics (C10-C28)	45.6	25.0		1	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	1	08/28/24	08/30/24	
Surrogate: n-Nonane		111 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2435079
Chloride	4420	100	4	5	08/28/24	08/28/24	

## Sample Data



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	West TB 03-0002 ley Gioven	ıgo			<b>Reported:</b> 9/4/2024 4:41:04PM
		FS02 - 0'					
		E408239-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Fotal Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435071
Diesel Range Organics (C10-C28)	147	25.0		1	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	160	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		115 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2435079
Chloride	1920	100		5	08/28/24	08/28/24	


	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2300	West TB 03-0002 ley Gioven	igo			<b>Reported:</b> 9/4/2024 4:41:04PM
		FS03 - 0'					
		E408239-03					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435071
Diesel Range Organics (C10-C28)	36.9	25.0		1	08/28/24	08/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		119 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2435079
Chloride	1630	40.0		2	08/28/24	08/28/24	



	S	Sample D	ata				
Matador Resources, LLC.	Project Name	e: Voni	West TB				
5400 LBJ Freeway, Suite 1500	Project Num		03-0002				Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ey Giover	igo			9/4/2024 4:41:04PM
		FS04 - 0'					
		E408239-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
-Xylene	ND	0.0250		1	08/28/24	08/30/24	
o,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
urrogate: n-Nonane		116 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2435079
Chloride	6330	100		5	08/28/24	08/28/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	West TB 03-0002 ley Gioven	90			<b>Reported:</b> 9/4/2024 4:41:04PM
	Troject Wianag			go			<i>5, 12021</i> 1.11.011 M
		FS05 - 0' E408239-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435071
Diesel Range Organics (C10-C28)	28.6	25.0		1	08/28/24	08/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		97.6 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2435079
Chloride	3210	40.0		2	08/28/24	08/28/24	



	S	ample D	ata				
Matador Resources, LLC.	Project Name	e: Von	West TB				
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002				Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Gioveng	go			9/4/2024 4:41:04PM
		FS06 - 0'					
		E408239-06					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2435078
Benzene	ND	0.0250	1	l	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	l	08/28/24	08/30/24	
Toluene	ND	0.0250	1	l	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	l	08/28/24	08/30/24	
o,m-Xylene	ND	0.0500	1	l	08/28/24	08/30/24	
Fotal Xylenes	ND	0.0250	1	l	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV	r.		Batch: 2435071
Diesel Range Organics (C10-C28)	ND	25.0	1	l	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	l	08/28/24	08/30/24	
Gurrogate: n-Nonane		97.8 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF			Batch: 2435079
Chloride	11400	200	1	0	08/28/24	08/28/24	



	S	ample D	ata				
Matador Resources, LLC.	Project Name	:: Von	West TB				
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 2300	03-0002				Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ey Giover	ngo			9/4/2024 4:41:04PM
		FS07 - 0'					
		E408239-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Foluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
o,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Fotal Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		100 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2435079
Chloride	5450	100		5	08/28/24	08/28/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	i West TB )3-0002 ley Gioveng	go			<b>Reported:</b> 9/4/2024 4:41:04PM
		FS08 - 0'					
		E408239-08					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: E	BA		Batch: 2435078
Benzene	ND	0.0250	1	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	1	08/28/24	08/30/24	
p-Xylene	ND	0.0250	1	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		100 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: E	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		100 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	ΙV		Batch: 2435071
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/28/24	08/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/28/24	08/30/24	
Surrogate: n-Nonane		94.3 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: V	WF		Batch: 2435079
Chloride	3910	40.0	2	2	08/28/24	08/29/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	West TB 03-0002 ley Gioveng	go			<b>Reported:</b> 9/4/2024 4:41:04PM
		FS09 - 0'					
		E408239-09					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2435078
Benzene	ND	0.0250	1	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	:	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	1	08/28/24	08/30/24	
p-Xylene	ND	0.0250	1	1	08/28/24	08/30/24	
o,m-Xylene	ND	0.0500	1	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	:	1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV	r.		Batch: 2435071
Diesel Range Organics (C10-C28)	ND	25.0	:	1	08/28/24	08/30/24	
Oil Range Organics (C28-C36)	ND	50.0	i	1	08/28/24	08/30/24	
Surrogate: n-Nonane		97.0 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF	1		Batch: 2435079
Chloride	5280	100		5	08/28/24	08/28/24	



	S	ample D	ata				
Matador Resources, LLC.	Project Name		West TB				
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002				Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ey Giover	ngo			9/4/2024 4:41:04PM
		FS10 - 0'					
		E408239-10					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA	Batch: 2435078	
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
o,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		105 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435071
Diesel Range Organics (C10-C28)	37.4	25.0		1	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		94.9 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2435079
Chloride	3140	40.0		2	08/28/24	08/29/24	



	S	Sample D	ata				
Matador Resources, LLC.	Project Name		West TB				
5400 LBJ Freeway, Suite 1500	Project Num		03-0002				Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giover	ngo			9/4/2024 4:41:04PM
		FS11 - 0'					
		E408239-11					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
o-Xylene	ND	0.0250		1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435071
Diesel Range Organics (C10-C28)	71.4	25.0		1	08/28/24	08/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		98.0 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2435079
Chloride	4640	40.0		2	08/28/24	08/29/24	



	S	ample D	ata				
Matador Resources, LLC.	Project Name	: Von	West TB				
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002				Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ey Giover	ngo			9/4/2024 4:41:04PM
		FS12 - 0'					
		E408239-12					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
o-Xylene	ND	0.0250		1	08/28/24	08/30/24	
o,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Fotal Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2435071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		95.1 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2435079
Chloride	4220	40.0		2	08/28/24	08/29/24	



	S	ample D	ata				
Matador Resources, LLC.	Project Name:		i West TB				
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002				Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	ngo			9/4/2024 4:41:04PM
		FS13 - 0'					
		E408239-13					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435071
Diesel Range Organics (C10-C28)	ND	25.0		1	08/28/24	08/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/30/24	
Surrogate: n-Nonane		142 %	50-200		08/28/24	08/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2435079
Chloride	3340	40.0		2	08/28/24	08/29/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	West TB 03-0002 ley Gioven	igo			<b>Reported:</b> 9/4/2024 4:41:04PM
		FS14 - 0'					
		E408239-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Benzene	ND	0.0250		1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24	
Toluene	ND	0.0250		1	08/28/24	08/30/24	
p-Xylene	ND	0.0250		1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500		1	08/28/24	08/30/24	
Fotal Xylenes	ND	0.0250		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		108 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130		08/28/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		08/28/24	08/30/24	
Surrogate: Toluene-d8		108 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435071
Diesel Range Organics (C10-C28)	631	25.0		1	08/28/24	08/31/24	
Dil Range Organics (C28-C36)	210	50.0		1	08/28/24	08/31/24	
Surrogate: n-Nonane		97.2 %	50-200		08/28/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2435079
Chloride	2490	40.0		2	08/28/24	08/29/24	



Sample Data										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	West TB 03-0002 ley Gioven		<b>Reported:</b> 9/4/2024 4:41:04PM					
	j 8	FS15 - 0'	5	8						
	]	E408239-15								
		Reporting								
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	ganic Compounds by EPA 8260B mg/kg Malyst: BA			Batch: 2435078						
Benzene	ND	0.0250		1	08/28/24	08/30/24				
Ethylbenzene	ND	0.0250		1	08/28/24	08/30/24				
Toluene	ND	0.0250		1	08/28/24	08/30/24				
p-Xylene	ND	0.0250		1 08/28/24		08/30/24				
p,m-Xylene	ND	0.0500		1 08/28/24		08/30/24				
Total Xylenes	ND	0.0250		1 08/28/24		08/30/24				
Surrogate: Bromofluorobenzene		102 %	70-130		08/28/24	08/30/24				
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/28/24	08/30/24				
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/30/24				
Surrogate: Bromofluorobenzene		102 %	70-130		08/28/24	08/30/24				
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/28/24	08/30/24				
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/30/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435071			
Diesel Range Organics (C10-C28)	45.3	25.0		1	08/28/24	08/31/24				
Dil Range Organics (C28-C36)	51.7	50.0		1	08/28/24	08/31/24				
Surrogate: n-Nonane		101 %	50-200		08/28/24	08/31/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2435079			
Chloride	4200	40.0		2	08/28/24	08/29/24				



Sample Data										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	West TB 03-0002 ley Gioven	go			<b>Reported:</b> 9/4/2024 4:41:04PM			
		FS16 - 0' E408239-16								
Analyte	Result	Reporting Limit	Dilı	ution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078			
Benzene	ND	0.0250		1	08/28/24	08/31/24				
Ethylbenzene	ND	0.0250		1	08/28/24	08/31/24				
Toluene	ND	0.0250		1	08/28/24	08/31/24				
o-Xylene	ND	0.0250		1 08/28/24		08/31/24				
o,m-Xylene	ND	0.0500		1	08/28/24	08/31/24				
Total Xylenes	ND	0.0250		1 08/28/24		08/31/24				
Surrogate: Bromofluorobenzene		103 %	70-130		08/28/24	08/31/24				
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/28/24	08/31/24				
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/31/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435078			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/31/24				
Surrogate: Bromofluorobenzene		103 %	70-130		08/28/24	08/31/24				
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/28/24	08/31/24				
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/31/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435071			
Diesel Range Organics (C10-C28)	37.9	25.0		1	08/28/24	08/31/24				
Oil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/31/24				
Surrogate: n-Nonane		98.1 %	50-200		08/28/24	08/31/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2435079			
Chloride	2650	40.0		2	08/28/24	08/29/24				



Sample Data										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	West TB 03-0002 ley Gioven	go			<b>Reported:</b> 9/4/2024 4:41:04PM			
		FS17 - 0' E408239-17								
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: E	A		Batch: 2435078			
Benzene	ND	0.0250		1	08/28/24	08/31/24				
Ethylbenzene	ND	0.0250		1	08/28/24	08/31/24				
Toluene	ND	0.0250		1	08/28/24	08/31/24				
p-Xylene	ND	0.0250		1 08/28/24		08/31/24				
o,m-Xylene	ND	0.0500		1	08/28/24	08/31/24				
Total Xylenes	ND	0.0250		1 08/28/24		08/31/24				
Surrogate: Bromofluorobenzene		102 %	70-130		08/28/24	08/31/24				
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/28/24	08/31/24				
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/31/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: E	A		Batch: 2435078			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/31/24				
Surrogate: Bromofluorobenzene		102 %	70-130		08/28/24	08/31/24				
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/28/24	08/31/24				
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/31/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	IV		Batch: 2435071			
Diesel Range Organics (C10-C28)	87.9	25.0		1	08/28/24	08/31/24				
Dil Range Organics (C28-C36)	105	50.0		1	08/28/24	08/31/24				
Surrogate: n-Nonane		97.2 %	50-200		08/28/24	08/31/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: V	VF		Batch: 2435079			
Chloride	1740	40.0		2	08/28/24	08/29/24				



Sample Data										
Matador Resources, LLC.	Project Name	e: Von	West TB							
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 2300	Reported:							
Dallas TX, 75240	Project Mana	ger: Ash	ey Giover	ngo			9/4/2024 4:41:04PM			
		FS18 - 0'								
		E408239-18								
		Reporting								
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	ile Organic Compounds by EPA 8260B mg/kg Malyst: BA		BA		Batch: 2435078					
Benzene	ND	0.0250		1	08/28/24	08/31/24				
Ethylbenzene	ND	0.0250		1	08/28/24	08/31/24				
Toluene	ND	0.0250		1	08/28/24	08/31/24				
p-Xylene	ND	0.0250		1	08/28/24	08/31/24				
p,m-Xylene	ND	0.0500		1	08/28/24	08/31/24				
Total Xylenes	ND	0.0250		1 08/28/24		08/31/24				
Surrogate: Bromofluorobenzene		102 %	70-130		08/28/24	08/31/24				
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		08/28/24	08/31/24				
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/31/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2435078			
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/31/24				
Surrogate: Bromofluorobenzene		102 %	70-130		08/28/24	08/31/24				
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		08/28/24	08/31/24				
Surrogate: Toluene-d8		107 %	70-130		08/28/24	08/31/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435071			
Diesel Range Organics (C10-C28)	103	25.0		1	08/28/24	08/31/24				
Oil Range Organics (C28-C36)	91.2	50.0		1	08/28/24	08/31/24				
Surrogate: n-Nonane		99.6 %	50-200		08/28/24	08/31/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2435079			
Chloride	2830	40.0		2	08/28/24	08/29/24				



Sample Data										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	West TB 03-0002 ley Gioveng	0		<b>Reported:</b> 9/4/2024 4:41:04PM				
		FS19 - 0'								
		E408239-19								
Analyte	Result	Reporting Limit	Dilut	tion Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA		Batch: 2435078				
Benzene	ND	0.0250	1	08/28/24	08/31/24					
Ethylbenzene	ND	0.0250	1	08/28/24	08/31/24					
Toluene	ND	0.0250	1	08/28/24	08/31/24					
p-Xylene	ND	0.0250	1	08/28/24	08/31/24					
p,m-Xylene	ND	0.0500	1	08/28/24	08/31/24					
Total Xylenes	ND	0.0250	1	08/28/24	08/31/24					
Surrogate: Bromofluorobenzene		102 %	70-130	08/28/24	08/31/24					
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/28/24	08/31/24					
Surrogate: Toluene-d8		106 %	70-130	08/28/24	08/31/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2435078				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/31/24					
Surrogate: Bromofluorobenzene		102 %	70-130	08/28/24	08/31/24					
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/28/24	08/31/24					
Surrogate: Toluene-d8		106 %	70-130	08/28/24	08/31/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2435071				
Diesel Range Organics (C10-C28)	25.9	25.0	1	08/28/24	08/31/24					
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/31/24					
Surrogate: n-Nonane		98.7 %	50-200	08/28/24	08/31/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: WF		Batch: 2435079				
Chloride	8590	200	10	0 08/28/24	08/29/24					



Sample Data									
Matador Resources, LLC.	Project Name	: Von	West TB						
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002				Reported:		
Dallas TX, 75240	Project Mana	ger: Ash	ey Giover	ngo			9/4/2024 4:41:04PM		
		FS23 - 0'							
		E408239-20							
		Reporting							
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2435078		
Benzene	ND	0.0250		1	08/28/24	08/31/24			
Ethylbenzene	ND	0.0250		1	08/28/24	08/31/24			
Toluene	ND	0.0250		1	08/28/24	08/31/24			
o-Xylene	ND	0.0250		1 08/28/24		08/31/24			
o,m-Xylene	ND	0.0500		1	08/28/24	08/31/24			
Fotal Xylenes	ND	0.0250		1 08/28/24		08/31/24			
Surrogate: Bromofluorobenzene		101 %	70-130	130 08/28/24		08/31/24			
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		08/28/24	08/31/24			
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/31/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2435078		
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/24	08/31/24			
Surrogate: Bromofluorobenzene		101 %	70-130		08/28/24	08/31/24			
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		08/28/24	08/31/24			
Surrogate: Toluene-d8		106 %	70-130		08/28/24	08/31/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435071		
Diesel Range Organics (C10-C28)	ND	25.0		1	08/28/24	08/31/24			
Dil Range Organics (C28-C36)	ND	50.0		1	08/28/24	08/31/24			
Gurrogate: n-Nonane		95.6 %	50-200		08/28/24	08/31/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2435079		
Chloride	5520	100		5	08/28/24	08/29/24			



	S	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	i West TB )3-0002 ley Giovengo	)		<b>Reported:</b> 9/4/2024 4:41:04PM
		FS25 - 0'				
		E408239-21				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	.nalyst: CG		Batch: 2435075
Benzene	ND	0.0250	1	08/28/24	08/29/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/29/24	
Toluene	ND	0.0250	1	08/28/24	08/29/24	
o-Xylene	ND	0.0250	1	08/28/24	08/29/24	
o,m-Xylene	ND	0.0500	1	08/28/24	08/29/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/29/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	08/28/24	08/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	.nalyst: CG		Batch: 2435075
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	08/28/24	08/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	.nalyst: NV		Batch: 2435086
Diesel Range Organics (C10-C28)	291	25.0	1	08/28/24	08/29/24	
Dil Range Organics (C28-C36)	114	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane		80.1 %	50-200	08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	.nalyst: DT		Batch: 2435072
Chloride	1310	20.0	1	08/28/24	08/29/24	



	Di	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 230	i West TB 03-0002 ley Giovengo			<b>Reported:</b> 9/4/2024 4:41:04PM
Dallas IA, 75240	Floject Mallag		ley Gloveligo			9/4/2024 4.41.041 M
		FS26 - 0'				
		E408239-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: CG		Batch: 2435075
Benzene	ND	0.0250	1	08/28/24	08/29/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/29/24	
Toluene	ND	0.0250	1	08/28/24	08/29/24	
p-Xylene	ND	0.0250	1	08/28/24	08/29/24	
o,m-Xylene	ND	0.0500	1	08/28/24	08/29/24	
Fotal Xylenes	ND	0.0250	1	08/28/24	08/29/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	08/28/24	08/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2435075
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	08/28/24	08/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2435086
Diesel Range Organics (C10-C28)	70.9	25.0	1	08/28/24	08/29/24	
Dil Range Organics (C28-C36)	60.9	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane		84.2 %	50-200	08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2435072
Chloride	2500	40.0	2	08/28/24	08/29/24	

# QC Summary Data

Matador Resources, LLC.		Project Name:	Vc	ni West TB					Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002					-
Dallas TX, 75240		Project Manager:	As	hley Giovengo					9/4/2024 4:41:04PM
		Volatile Organic			Analyst: BA				
A 1.		Reporting	Spike	Source		Rec		RPD	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2435078-BLK1)							Prepared: 08	8/28/24 At	nalyzed: 08/30/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: 1,2-Dichloroeinane-u4 Surrogate: Toluene-d8	0.433		0.500		107	70-130			
-	0.000						<b>D</b> 1.00	0/00/04	1 1.00/20/24
LCS (2435078-BS1)	2.40		2.50		063	70.125	Prepared: 08	8/28/24 Ai	nalyzed: 08/30/24
Benzene	2.40	0.0250	2.50		96.1	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.4	70-130			
Toluene	2.42	0.0250	2.50		96.7	70-130			
p-Xylene	2.26	0.0250	2.50		90.4	70-130			
p,m-Xylene	4.51	0.0500	5.00		90.3	70-130			
Total Xylenes	6.78	0.0250	7.50		90.3	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4 00.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike (2435078-MS1)				Source: E	408239-	10	Prepared: 08	8/28/24 A	nalyzed: 08/30/24
Benzene	2.43	0.0250	2.50	ND	97.2	48-131			
Ethylbenzene	2.41	0.0250	2.50	ND	96.2	45-135			
Toluene	2.41	0.0250	2.50	ND	96.5	48-130			
p-Xylene	2.34	0.0250	2.50	ND	93.5	43-135			
p,m-Xylene	4.65	0.0500	5.00	ND	93.0	43-135			
Total Xylenes	6.99	0.0250	7.50	ND	93.2	43-135			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike Dup (2435078-MSD1)				Source: E	408239-	10	Prepared: 08	8/28/24 A	nalyzed: 08/30/24
Watrix Spike Dup (2455078-WISDI)		0.0250	2.50	ND	98.5	48-131	1.37	23	
Benzene	2.46	0.0250			98.5	45-135	2.34	27	
Benzene	2.46 2.46	0.0250	2.50	ND	96.5				
Benzene Ethylbenzene			2.50 2.50	ND ND	98.9 98.9	48-130	2.46	24	
	2.46	0.0250				48-130 43-135	2.46 2.74	24 27	
Benzene Ethylbenzene Toluene	2.46 2.47	0.0250 0.0250	2.50	ND	98.9				
Benzene Ethylbenzene Toluene p-Xylene	2.46 2.47 2.40	0.0250 0.0250 0.0250	2.50 2.50	ND ND	98.9 96.1	43-135	2.74	27	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.46 2.47 2.40 4.84	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00	ND ND ND	98.9 96.1 96.8	43-135 43-135	2.74 3.95	27 27	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	2.46 2.47 2.40 4.84 7.24	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50	ND ND ND	98.9 96.1 96.8 96.6	43-135 43-135 43-135	2.74 3.95	27 27	



# QC Summary Data

Result mg/kg	Project Manager: Volatile On Reporting		shley Gioveng					9/4/2024 4:41:04PM
				1B				Analyst: CG
		Spike	Source Result		Rec Limits	RPD	RPD Limit	
	Limit mg/kg	Level mg/kg	mg/kg	Rec %	%	%	%	Notes
						Prepared: 0	8/28/24 A	nalyzed: 08/28/24
ND	0.0250							
ND								
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.25		8.00		90.6	70-130			
						Prepared: 08	8/28/24 A	nalyzed: 08/28/24
5.36	0.0250	5.00		107	70-130			
5.14	0.0250	5.00		103	70-130			
5.26	0.0250	5.00		105	70-130			
5.12	0.0250	5.00		102	70-130			
10.4	0.0500	10.0		104	70-130			
15.6	0.0250	15.0		104	70-130			
7.29		8.00		91.1	70-130			
			Source:	E408237-0	05	Prepared: 08	8/28/24 A	nalyzed: 08/28/24
5.26	0.0250	5.00	ND	105	54-133		-	
5.04	0.0250	5.00	ND	101	61-133			
5.17	0.0250	5.00	ND	103	61-130			
5.01	0.0250	5.00	ND	100	63-131			
10.2	0.0500	10.0	ND	102	63-131			
15.3	0.0250	15.0	ND	102	63-131			
7.20		8.00		90.0	70-130			
			Source:	E408237-(	05	Prepared: 08	8/28/24 A	nalyzed: 08/28/24
5.21	0.0250	5.00	ND	104	54-133	0.939	20	
4.99	0.0250	5.00	ND	99.8	61-133	1.04	20	
5.12	0.0250	5.00	ND	102	61-130	1.02	20	
4.97	0.0250	5.00	ND	99.4	63-131	0.830	20	
10.1	0.0500	10.0	ND	101	63-131	1.18	20	
15.1	0.0250	15.0	ND	101	63-131	1.07	20	
_	ND ND ND ND 7.25 5.36 5.14 5.26 5.12 10.4 15.6 7.29 5.26 5.04 5.12 10.4 15.6 7.29 5.26 5.04 5.17 5.01 10.2 15.3 7.20 5.21 4.99 5.12 4.97 10.1	ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           7.25	ND         0.0250           7.25         8.00           5.36         0.0250           5.14         0.0250           5.26         0.0250           5.12         0.0250           10.4         0.0500           10.4         0.0500           10.4         0.0250           5.26         0.0250           5.00         5.00           5.17         0.0250           5.01         0.0250           5.01         0.0250           5.01         0.0250           5.01         0.0250           5.01         0.0250           5.02         5.00           10.2         0.0500           10.2         0.0250           5.01         5.00           4.99         0.0250           5.00         5.00           4.99         0.0250           5.00         5.00	ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           7.25         8.00           5.36         0.0250           5.14         0.0250           5.26         0.0250           5.12         0.0250           10.4         0.0500           10.4         0.0250           7.29         8.00           Source:           5.26         0.0250           5.00         10.0           15.6         0.0250           5.00         ND           5.26         0.0250           5.00         ND           5.17         0.0250           5.00         ND           5.01         0.0250           5.00         ND           10.2         0.0500           10.0         ND           15.3         0.0250           5.00         ND           15.3         0.0250           5.00         ND           4.99         0.0250 <t< td=""><td>ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           7.25         8.00         90.6           5.36         0.0250         5.00         107           5.14         0.0250         5.00         103           5.26         0.0250         5.00         102           10.4         0.0500         10.0         104           7.29         8.00         91.1           Source: E408237-0           5.26         0.0250         5.00         ND         104           7.29         8.00         91.1         90.0         104           7.29         8.00         91.1         90.0         103           5.26         0.0250         5.00         ND         101           5.17         0.0250         5.00         ND         103           5.01         0.0250         5.00         ND         102           15.3         0.0250         5.00         ND         102           7.20         8.00         90.0         90.0</td><td>ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           7.25         8.00         90.6         70-130           5.36         0.0250         5.00         107         70-130           5.14         0.0250         5.00         103         70-130           5.26         0.0250         5.00         105         70-130           5.12         0.0250         5.00         102         70-130           10.4         0.0500         10.0         104         70-130           7.29         8.00         91.1         70-130           7.29         8.00         91.1         70-130           5.26         0.0250         5.00         ND         104         70-130           7.29         8.00         91.1         70-130           5.26         0.0250         5.00         ND         103         61-133           5.01         0.0250         5.00         ND         103         61-133           5.17         0.0250         5.00         ND         102<!--</td--><td>ND         0.0250 ND         ND         0.0250 ND         ND         0.0250           ND         0.0250         ND         0.0250         Prepared: 01           7.25         8.00         90.6         70-130         Prepared: 01           5.36         0.0250         5.00         107         70-130         Prepared: 01           5.14         0.0250         5.00         103         70-130         Prepared: 01           5.12         0.0250         5.00         105         70-130         Prepared: 01           5.12         0.0250         5.00         102         70-130         Prepared: 01           10.4         0.0500         10.0         104         70-130         Prepared: 01           7.29         8.00         91.1         70-130         Prepared: 01         Prepared: 01           5.26         0.0250         5.00         ND         105         54-133         Prepared: 01           5.26         0.0250         5.00         ND         103         61-133         Prepared: 01           5.26         0.0250         5.00         ND         103         61-133         Prepared: 02           5.26         0.0250         5.00         &lt;</td><td>ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           7.25         8.00         90.6         70-130           Prepared: 08/28/24 A           5.36         0.0250         5.00         107         70-130           5.14         0.0250         5.00         103         70-130           5.26         0.0250         5.00         105         70-130           5.12         0.0250         5.00         102         70-130           15.6         0.0250         15.0         104         70-130           Source: E408237-05         Prepared: 08/28/24         A           5.26         0.0250         15.0         104         70-130           Cource: E408237-05         Prepared: 08/28/24         A           5.26         0.0250         5.00         ND         101         61-133           5.17         0.0250         5.00         ND         101         61-133           5.17         0.0250         5.00         ND         102         63-131           10.2         0.500</td></td></t<>	ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           7.25         8.00         90.6           5.36         0.0250         5.00         107           5.14         0.0250         5.00         103           5.26         0.0250         5.00         102           10.4         0.0500         10.0         104           7.29         8.00         91.1           Source: E408237-0           5.26         0.0250         5.00         ND         104           7.29         8.00         91.1         90.0         104           7.29         8.00         91.1         90.0         103           5.26         0.0250         5.00         ND         101           5.17         0.0250         5.00         ND         103           5.01         0.0250         5.00         ND         102           15.3         0.0250         5.00         ND         102           7.20         8.00         90.0         90.0	ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           7.25         8.00         90.6         70-130           5.36         0.0250         5.00         107         70-130           5.14         0.0250         5.00         103         70-130           5.26         0.0250         5.00         105         70-130           5.12         0.0250         5.00         102         70-130           10.4         0.0500         10.0         104         70-130           7.29         8.00         91.1         70-130           7.29         8.00         91.1         70-130           5.26         0.0250         5.00         ND         104         70-130           7.29         8.00         91.1         70-130           5.26         0.0250         5.00         ND         103         61-133           5.01         0.0250         5.00         ND         103         61-133           5.17         0.0250         5.00         ND         102 </td <td>ND         0.0250 ND         ND         0.0250 ND         ND         0.0250           ND         0.0250         ND         0.0250         Prepared: 01           7.25         8.00         90.6         70-130         Prepared: 01           5.36         0.0250         5.00         107         70-130         Prepared: 01           5.14         0.0250         5.00         103         70-130         Prepared: 01           5.12         0.0250         5.00         105         70-130         Prepared: 01           5.12         0.0250         5.00         102         70-130         Prepared: 01           10.4         0.0500         10.0         104         70-130         Prepared: 01           7.29         8.00         91.1         70-130         Prepared: 01         Prepared: 01           5.26         0.0250         5.00         ND         105         54-133         Prepared: 01           5.26         0.0250         5.00         ND         103         61-133         Prepared: 01           5.26         0.0250         5.00         ND         103         61-133         Prepared: 02           5.26         0.0250         5.00         &lt;</td> <td>ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           7.25         8.00         90.6         70-130           Prepared: 08/28/24 A           5.36         0.0250         5.00         107         70-130           5.14         0.0250         5.00         103         70-130           5.26         0.0250         5.00         105         70-130           5.12         0.0250         5.00         102         70-130           15.6         0.0250         15.0         104         70-130           Source: E408237-05         Prepared: 08/28/24         A           5.26         0.0250         15.0         104         70-130           Cource: E408237-05         Prepared: 08/28/24         A           5.26         0.0250         5.00         ND         101         61-133           5.17         0.0250         5.00         ND         101         61-133           5.17         0.0250         5.00         ND         102         63-131           10.2         0.500</td>	ND         0.0250 ND         ND         0.0250 ND         ND         0.0250           ND         0.0250         ND         0.0250         Prepared: 01           7.25         8.00         90.6         70-130         Prepared: 01           5.36         0.0250         5.00         107         70-130         Prepared: 01           5.14         0.0250         5.00         103         70-130         Prepared: 01           5.12         0.0250         5.00         105         70-130         Prepared: 01           5.12         0.0250         5.00         102         70-130         Prepared: 01           10.4         0.0500         10.0         104         70-130         Prepared: 01           7.29         8.00         91.1         70-130         Prepared: 01         Prepared: 01           5.26         0.0250         5.00         ND         105         54-133         Prepared: 01           5.26         0.0250         5.00         ND         103         61-133         Prepared: 01           5.26         0.0250         5.00         ND         103         61-133         Prepared: 02           5.26         0.0250         5.00         <	ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           7.25         8.00         90.6         70-130           Prepared: 08/28/24 A           5.36         0.0250         5.00         107         70-130           5.14         0.0250         5.00         103         70-130           5.26         0.0250         5.00         105         70-130           5.12         0.0250         5.00         102         70-130           15.6         0.0250         15.0         104         70-130           Source: E408237-05         Prepared: 08/28/24         A           5.26         0.0250         15.0         104         70-130           Cource: E408237-05         Prepared: 08/28/24         A           5.26         0.0250         5.00         ND         101         61-133           5.17         0.0250         5.00         ND         101         61-133           5.17         0.0250         5.00         ND         102         63-131           10.2         0.500



# QC Summary Data

	QC D	u111111	ii y Data	L				
	Project Name: Project Number: Project Manager:	23	3003-0002	0				<b>Reported:</b> 9/4/2024 4:41:04PM
No	nhalogenated C	Organics	by EPA 801	5D - GI	RO			Analyst: CG
Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
						Prepared: 0	8/28/24 A	nalyzed: 08/28/24
ND	20.0							
7.27		8.00		90.8	70-130			
						Prepared: 0	8/28/24 A	nalyzed: 08/28/24
43.0	20.0	50.0		85.9	70-130			
7.45		8.00		93.1	70-130			
			Source: l	E <b>408237-</b> (	05	Prepared: 0	8/28/24 A	nalyzed: 08/28/24
46.5	20.0	50.0	ND	93.0	70-130			
7.54		8.00		94.3	70-130			
			Source: l	E <b>408237-</b> 0	05	Prepared: 0	8/28/24 A	nalyzed: 08/28/24
45.1	20.0	50.0	ND	90.2	70-130	3.10	20	
7.48		8.00		93.5	70-130			
	Result mg/kg ND 7.27 43.0 7.45 46.5 7.54 45.1	Nonhalogenated C       Result     Reporting       mg/kg     mg/kg       ND     20.0       7.27     1       43.0     20.0       7.45     20.0       7.45     20.0       45.1     20.0	Project Name:         Vi           Project Number:         23           Project Manager:         A           Nonhalogenated Organics         Spike           Result         Limit         Level           mg/kg         mg/kg         mg/kg           ND         20.0         50.0           7.27         8.00         43.0           445.1         20.0         50.0           7.54         8.00         50.0	Project Name: Project Number: Project Manager:Voni West TB 23003-0002 Ashley GiovengeNonhalogenated Organics by EPA 801Result mg/kgSpike mg/kgSource Result mg/kgND20.07.278.0043.020.07.458.00Source: I46.520.050.0ND7.548.00Source: I45.120.050.0ND7.548.00	No         23003-0002           Project Number:         23003-0002           Project Manager:         Ashley Giovengo           Nonhalogenated Organics by EPA 8015D - GI           Result         Reporting         Spike         Source           Result         Limit         Level         Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         20.0         Source         Source           43.0         20.0         50.0         85.9           7.45         8.00         93.1           Source: E408237-1           46.5         20.0         50.0         ND         93.0           7.34         8.00         94.3         Source: E408237-1           45.1         20.0         50.0         ND         90.2	Nonhalogenated         Spike Level         Source Result mg/kg         Rec mg/kg         Rec mg/k	Voni West TBProject Name: Project Number: Project Manager:Voni West TBAshley GiovengoSource ResultRecReporting mg/kgSpike mg/kgSource mg/kgRecLimits $%$ ND20.0Prepared: 0ND20.090.870-130 $43.0$ 20.085.970-130 $43.0$ 20.085.970-130 $43.0$ 20.093.170-130 $45.1$ 20.0ND93.070-130Source: E408237-05Prepared: 0 $45.1$ 20.050.0ND90.270-130Source: E408237-05Prepared: 0 $45.1$ 20.050.0ND93.070-130Source: E408237-05Prepared: 0 $45.1$ 20.050.0ND93.070-130Source: E408237-05Prepared: 0 $45.1$ 20.050.0ND93.070-130	Nonhalogenated         Spike         Source         Rec         Repo         RPD         Limit           mg/kg         Limit         Level         Result         Rec         Limits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         20.0         50.0         85.9         70-130         Prepared: 08/28/24         A           43.0         20.0         50.0         85.9         70-130         Prepared: 08/28/24         A           43.0         20.0         50.0         85.9         70-130         Prepared: 08/28/24         A           443.0         20.0         50.0         85.9         70-130         Prepared: 08/28/24         A           45.1         20.0         50.0         ND         93.0         70-130         P

## QC Summary Data

		QC SI		ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	'oni West TB 3003-0002 .shley Giovengo					<b>Reported:</b> 9/4/2024 4:41:04PM
	No		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 (2435078-BLK1)							Prepared: 0	8/28/24 A	Analyzed: 08/30/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
LCS (2435078-BS2)							Prepared: 0	8/28/24 A	Analyzed: 08/30/24
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.5	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			
Matrix Spike (2435078-MS2)				Source: E	408239-1	10	Prepared: 0	8/28/24 A	Analyzed: 08/30/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
Matrix Spike Dup (2435078-MSD2)				Source: E	408239-1	10	Prepared: 0	8/28/24 A	Analyzed: 08/30/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	2.51	20	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



## QC Summary Data

		QC SI	umma	iry Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	oni West TB 8003-0002 shley Giovengo					<b>Reported:</b> 9/4/2024 4:41:04PM
	Nonh	alogenated Orga	anics by	EPA 8015D ·	- DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2435071-BLK1)							Prepared: 0	8/28/24 A	nalyzed: 08/30/24
Diesel Range Organics (C10-C28)	ND	25.0							-
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.5		50.0		101	50-200			
LCS (2435071-BS1)							Prepared: 0	8/28/24 A	analyzed: 08/30/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	53.0		50.0		106	50-200			
Matrix Spike (2435071-MS1)				Source: E4	408239-	07	Prepared: 0	8/28/24 A	analyzed: 08/30/24
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	58.9		50.0		118	50-200			
Matrix Spike Dup (2435071-MSD1)				Source: E4	408239-	07	Prepared: 0	8/28/24 A	nalyzed: 08/30/24
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132	0.538	20	
Surrogate: n-Nonane	55.0		50.0		110	50-200			



## QC Summary Data

		QC S		il y Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	oni West TB 3003-0002 shley Giovengo					<b>Reported:</b> 9/4/2024 4:41:04PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
			ing ng	g.ing	70	70	70	70	Hotes
Blank (2435086-BLK1)							Prepared: 0	8/28/24 A	analyzed: 08/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.0		50.0		84.1	50-200			
LCS (2435086-BS1)							Prepared: 0	8/28/24 A	analyzed: 08/29/24
Diesel Range Organics (C10-C28)	192	25.0	250		76.8	38-132			
Surrogate: n-Nonane	40.6		50.0		81.3	50-200			
Matrix Spike (2435086-MS1)				Source: E	408240-	02	Prepared: 0	8/28/24 A	analyzed: 08/29/24
Diesel Range Organics (C10-C28)	193	25.0	250	ND	77.2	38-132			
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			
Matrix Spike Dup (2435086-MSD1)				Source: E	408240-	02	Prepared: 0	8/28/24 A	analyzed: 08/29/24
Diesel Range Organics (C10-C28)	190	25.0	250	ND	76.1	38-132	1.41	20	
Surrogate: n-Nonane	41.6		50.0		83.2	50-200			



## **QC Summary Data**

		$\mathbf{x} \in \mathbf{x}$	~~~~~	ii y Dutu					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2.	'oni West TB 3003-0002 .shley Giovengo					<b>Reported:</b> 9/4/2024 4:41:04PM
		Anions	by EPA 3	300.0/9056A					Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2435072-BLK1)							Prepared: 0	8/28/24	Analyzed: 08/28/24
Chloride LCS (2435072-BS1)	ND	20.0					Prepared: 0	8/28/24	Analyzed: 08/28/24
Chloride	252	20.0	250	6 F	101	90-110	Duon ouo di O	0/10/11	Analyzadı 08/28/24
Matrix Spike (2435072-MS1) Chloride	259	200	250	Source: E	104	80-120	Frepared: 0	0/20/24 /	Analyzed: 08/28/24
Matrix Spike Dup (2435072-MSD1)				Source: E	408236-0	)1	Prepared: 0	8/28/24	Analyzed: 08/28/24
Chloride	255	200	250	ND	102	80-120	1.61	20	



## **QC Summary Data**

			••		-				
Matador Resources, LLC.		Project Name:	V	oni West TB					Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	3003-0002					
Dallas TX, 75240		Project Manager:	А	shley Giovengo	С				9/4/2024 4:41:04PM
		Anions	by EPA (	300.0/9056A					Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2435079-BLK1)							Prepared: 0	)8/28/24 A	Analyzed: 08/28/24
Chloride	ND	20.0							
LCS (2435079-BS1)							Prepared: 0	08/28/24 A	Analyzed: 08/28/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2435079-MS1)				Source: I	E <b>408239-</b> (	)9	Prepared: 0	08/28/24 A	Analyzed: 08/28/24
Chloride	3480	100	250	5280	NR	80-120			M4
Matrix Spike Dup (2435079-MSD1)				Source: I	E408239-0	)9	Prepared: 0	08/28/24 A	Analyzed: 08/28/24
Chloride	5000	100	250	5280	NR	80-120	35.9	20	M4, R3

QC Summary Report Comment:

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



Definitions and Protes									
ported:									
/24 16:41									

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



## **Chain of Custody**

	Clier									ody															<u> </u>
	Client Information Invoice Information												Lab	Use	Only		-		T/	١T			Sta	ate	
	latador Prod					Comp	any: Ensolum LLC				ab W	0#			b Nu			1D	2D	3D	Std	NM	cοι	т тхТ	
	oni West TB						ess: 3122 National Pa	rks Hwy		—  ī	ËЧО	) 82	239		300						X	X			
	lanager: Asl	-	engo				itate, Zip: Carlsbad N		)	۲ –															
	3122 Nation				,		: 575-988-0055				Г			A	nalys	is an	d Met	hod				Е	PA Prog	gram	
City, State	e, Zip: Carls	bad NM,	88220			Email	: agiovengo@ensol														SDWA	CWA	RCI	RA	
	75-988-005						laneous:														Γ				
Email: ar	iovengo@ei	nsolum.c	com						_			<u>ا</u> ۲	ដ								[	Compliar	ce	Y or	N
								<u></u>			:	8	y 8015				×	se se				PWSID #			
				Samp	ole Info	ormation						ខ្ខំ	ខ្ល			Ź	5	Ĕ							
Time Sampled	Date Sampled	Matrix	No. of Containers			Sa	mple ID		Field Filter	Lab Numt	ber	DRO/ORO by 8015	GRO/DRO by		VOC by 8260 Chloride am 0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remar	ks	
14:05	8/26/2024	Soil	1			FS	601 - 0'			١						X									
14:07	8/26/2024	Soil	1			FS	502 - 0'			ろ						X									
14:03	8/26/2024	Soil	1			FS	503 - 0'			3	,					X									
14:09	8/26/2024	Soil	1			FS	504 - 0'			4						×									
14:14	8/26/2024	Soil	1			F			5						X										
14:55	8/26/2024	Soil	1			F!	506 - 0'			6						X									
14:11	8/26/2024	Soil	1			F	507 - 0'			F						X									
14:45	8/26/2024	Soil	1				508 - 0'			8						X									
14:53	8/26/2024	Soil	1			F:	509 - 0'			9						X									
14:01	8/26/2024	Soil	1				510 - 0'			Ю						Х									
			ase CC: ct	ourton@e	nsolun	n.com, ag	iovengo@ensolum.c	om, iestr	ella@	enso?	olum.e	com	, bdea	al@e	nsolu	m.co	m, ch	amil	ton@	ensc	olum.	.com,			
<u>bsimmor</u>	ns@ensolum	n.com	• .• • •										- 41								ala fa	lagal+!			
				of this sampl	ie. I am a	ware that ta	mpering with or intentionally	misiapeling	ine sai	npie loci	ation, d	iate ol	r ume o	i colle	c((0)) 15	conside	rea fra	uci and	may b	e grour	ius tor	iegai actior	•		
	Israel Estrella		Date		Time	D.	ceived by: (Signature)		Date		Π	ime				Sam	ples requ	uiring th	ermal p	reservat	tion mu	st be receive	l on ice the	day they ar	
	ed by: (Signatur			127/24		15 1	Nichelle C.		8.	27.2	ЯΪ		200			sam	pled or r	eceived	-			temp above			
Relinauish	ed Dyn (Signatur	re) 🔺	Date		Time	R	ceived by: (Signature)	yaleg	Date		Ti	ime	<u> </u>			sub	equent (	1245		La	ib Us	e Only			
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enviroteck

## **Chain of Custody**

								Chain of	Cust	ody													P	age 🧾	
	Clier	nt Inform	ation				Invoice	Information				La	b Us	e On	y				TAT				State		
lient: M	latador Prod	uction Co	ompany			Company	Ensolu	m LLC		La	wOł	ŧ		Job I				1D	2D 3I	D Ste	a i	NM CC		TX	
	oni West TB							tional Parks Hwy	,		408		2	230	203	-000	2			X		X			
	lanager: Asl		engo			City, State	e, Zip: Ca	rlsbad NM, 8822	20					•											1
ddress:	3122 Natio	nal Parks	Hwy			hone: _	575-988-0	0055						Ana	ysis	and	Met	hod					Program	1	1
ity, State	e, Zip: Carls	bad NM,	88220			<u>Email: a</u>	giovengo	@ensolum.com													SDV	VA (	WA	RCRA	1
hone: 5	75-988-005	5			N	liscellane	ous:																		1
<u>mail: ap</u>	iovengo@e	nsolum.c	om								្ព	ង				1						oliance	Y	orN	1
												8		。	8	5	ž	ş			PWS	ID #			1
				Samp	ole Informa	ation					1 g	l p	8	826	8 8	Z	5	Š				_			
Time ampled	Date Sampled	Matrix	No. of Container	<b>i</b>		Sample	e ID		Field	Lab Numbe		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Re	marks		-
13:29	8/26/2024	Soil	1			FS11 ·	- 0'			N						х									
4:47	8/26/2024	Soil	1			FS12	- 0'			12						х									
14:49	8/26/2024	Soil	1			FS13				13						х									
13:25	8/26/2024	Soil	1			FS14	- 0'			щ						х									
13:21	8/26/2024	Soil	1			FS15	- 0'	•		15						X									
13:28	8/26/2024	Soil	1			FS16	- 0'			16						X									
13:26	8/26/2024	Soil	1			FS17	- 0'			FI						x									
13:23	8/26/2024	Soil	1			FS18	- 0'			18						X									
14:57	8/26/2024	Soil	1			FS19	- 0'			19					1	X									
14:59	8/26/2024	Soil	1			FS23				20						X									
ddition	al Instructio	ns: Plea	ase CC:	cburton@e	nsolum.co	m, agiov	engo@er	nsolum.com, iest	trella	@ensolı	im.co	m, bo	deal@	Pens	olum	.con	ı, ch	amilt	on@e	nsolu	m.com	),			
simmo	<u>ns@ensolun</u>	n.com									_	_													4
field samp	oler), attest to th	e validity and	dauthentio	ity of this samp:	le. I am aware	that tamper	ing with or i	ntentionally mislabelin	g the sa	imple locat	on, date	e or tim	e of co	llectio	n is cor	nsidere	d frau	id and i	nay be gi	rounds	for legal a	action.			
	Israel Estrella					<u> </u>			1.							Camel.		laina the	anal area	anation	must he re	vehed on i	ice the day t		-
linquish	ed by: Signatu	re)	Da		Time		ed by: (Sigi	nature)	Date	2724	Time	901	>										t less than 6		
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lote: Sam	ples are discard	led 14 days	s after re	sults are repor	ted unless ot	her arrange	ements are	made. Hazardous s	amples	s will be re	turned	to clie	ent or	dispo	ed of	at the	e clier	nt exp	ense. Th	ie repo	ort for the	e analysi	s of the al	oove	
amples is	applicable only	to those s	amples r	eceived by the	aboratory v	vith this CO	. I ne liabi	lity of the laborator	y is itm	niea to th	e arnou	int pat		лі спе	repor	L.									
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#### 1 **Chain of Custody**

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Client: N	latador Prod						mpany:					—	ab W(	0#			ob Nur	nber		1D	2D 3	DISt	d	NMI CO	UT TX
	/oni West TB		/inparty_						ional Parl	s Hwy		—   ī	40	<u> </u>	39		300					X	<u> </u>	X	
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	3122 Nation						one: 57		-							A	nalysi	s and	l Met	hod				EPA P	rogram
	e, Zip: Carls					En	nail: ag	liovengo	@ensolu	n.com								Г					SI	DWA C	WA RCR
Phone:	575-988-0055	5	_			Mis	cellaneo	ous:																	
Email: a	<u>giovengo@ei</u>	nsolum.co	om										ų ا		ដ									npliance	Y or
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Time Sampled	Date Sampled	Matrix	No. of Containers				Sample	ID			Field	Lab Numt			GRO/DRO by 8015		VOC by 8260 Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Kei	marks
14:52	8/26/2024	Soil	1				FS25 - (	D'				21						X							Page _ State UT TX rogram WA RCR Y or marks
15:01	8/26/2024	Soil	1				FS26 - 0	0'				22						X							
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<mark>)simmo</mark> , (field sam	ns@ensolum pler), attest to the	a.com e validity and	authenticit	ty of this samp	le. I am	aware tha	at tampering	g with or in	tentionally m	islabeling t	the sa	mple loc	ation, di	ate or	time o	f colle	ection is a	onside	red fra	ud and r	nay be g	rounds	for leg	al action.	
-	:Israel Estrella		Simmons Date		Time		Resilies	dahur (Gian		•	Date		170	me		-		Sam	ples reg	uiring the	rmal pres	ervation	n must b	e received on ic	æ the day they are
	ed by: (Signatu		8	127/24	10	<u>:15</u>	Mic	helle	ature) Gorg	ales	8	<del>67-</del> 6	24	Dg	00				pled or r		acked in i				less than 6 °C on
	ed by fisignant	·	les Date	<u>1.2.7.24</u>		45	Redelived	d by: (Sign			Q.	27.2	,પ	<u> </u>	<u>545</u>			Re	ceive	d on i	:e:		Use ( N	July	
Relinfuist	ed by: (Signatu		Date	<u>17:14</u>		00	Received	d by: (Sign	ature)		Date 8	28-3		me OF	ю			<u>T1</u>			_ I	2		<u></u> <u>T3</u>	
Relinquist	ed by: (Signatu		Date		Time		Received	d by: (Sign	ature)		Date		Ti	me				AV	'G Tei	mp °C	4	_			
Sample Ma	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aqu	ieous, O - Oth	er												oly/plas	tic, a	g - am	ber gla	355, V -				
Note: San	ples are discard	ied 14 days	after resu	Its are repor	rted uni	ess othe	r arrangen	nents are i	made. Haza	rdous san	nples	will be	return	ed to	client	or di	sposed	of at t	he clie	ent expe	ense. Th	е гер	ort for	the analysis	of the above
samples is	applicable only	to those s	amples rec	ceived by the	e labora	tory with	this COC.	I he liabili	ity of the la	ooratory	is tim	τεα το ι	ne am	ount	paid to	or on	the rep	ort.							

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## **Envirotech Analytical Laboratory**

## Sample Receipt Checklist (SRC)

	Matador Resources, LLC. D	ate Received:	08/28/24 0	6:00	Work Order ID:	E408239
Phone:	(972) 371-5200 D	ate Logged In:	08/27/24 1	6:08	Logged In By:	Noe Soto
Email:		ue Date:	09/04/24 1	7:00 (4 day TAT)		
Chain o	of Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commer	nts/Resolution
Sample	Turn Around Time (TAT)					
	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes			
12 Ifm	minutes of sampling	nnoratura: 1º	C			
	visible ice, record the temperature. Actual sample ter	nperature: <u>4</u>	<u>c</u>			
	<u>Container</u> aqueous VOC samples present?		NI-			
	VOC samples collected in VOA Vials?		No NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
10. 15 11	a trip blank (TB) included for VOC analyses?		NA			
17 Was	a rip blank (1D) mended for VOC analyses.					
	non-VOC samples collected in the correct containers?					
18. Are	non-VOC samples collected in the correct containers?	s collected?	Yes Yes			
18. Are 19. Is the	e appropriate volume/weight or number of sample containers	s collected?	Yes Yes			
18. Are 19. Is the <u>Field L</u> a	e appropriate volume/weight or number of sample containers abel_					
18. Are 19. Is the Field La 20. Wer	e appropriate volume/weight or number of sample containers					
18. Are 19. Is the Field La 20. Wer	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes			
18. Are 19. Is the Field La 20. Wer	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes			
18. Are 19. Is the Field La 20. Wer Sample	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes Yes No			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> </ol> Sample 21. Doe	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation:	Yes Yes No No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Are</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: erved?	Yes Yes No No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Doe</li> <li>Are</li> <li>Is la</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved?	Yes Yes No No			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Doe</li> <li>Doe</li> <li>Are</li> <li>Is la</li> <li>Multipl</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta mase Sample Matrix	ation: erved? als?	Yes Yes No No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Doe</li> <li>Are</li> <li>Is la</li> <li>Multipi</li> <li>Doe</li> <li>Doe</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ation: erved? als?	Yes Yes No No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Doe</li> <li>Are</li> <li>Are</li> <li>Is la</li> <li>Multipi</li> <li>Doe</li> <li>Index</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	ation: erved? als?	Yes Yes No No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field L:</li> <li>Wer</li> <li>Wer</li> <li>Sample</li> <li>Doe</li> <li>Are</li> <li>Are</li> <li>Is la</li> <li>Multipi</li> <li>Doe</li> <li>The</li> <li>The</li> <li>Subcon</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze <u>tract Laboratory</u>	ation: erved? als? d?	Yes Yes No No NA No			
<ol> <li>Are</li> <li>Is the</li> <li>Field La</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Wer</li> <li>Doe</li> <li>Are</li> <li>Are</li> <li>Is la</li> <li>Multipi</li> <li>Doe</li> <li>If ye</li> <li>Subcon</li> <li>Are</li> </ol>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	ation: erved? als? d?	Yes Yes No No NA No			

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







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:

Voni West TB

Work Order: E408253

Job Number: 23003-0002

Received: 8/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/5/24

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: 9/5/24

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

Project Name: Voni West TB Workorder: E408253 Date Received: 8/29/2024 8:00:24AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2024 8:00:24AM, under the Project Name: Voni West TB.

The analytical test results summarized in this report with the Project Name: Voni West 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name:Voni West TBProject Number:23003-0002			Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/05/24 14:57
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
'S20 - 0'	E408253-01A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S21 - 0'	E408253-02A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S22 - 0'	E408253-03A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S24 - 0'	E408253-04A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S27 - 0'	E408253-05A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
S28 - 0'	E408253-06A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
S29 - 0'	E408253-07A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S30 - 0'	E408253-08A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S31 - 0'	E408253-09A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S32 - 0'	E408253-10A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
S33 - 0'	E408253-11A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
'S34 - 0'	E408253-12A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
835 - 0'	E408253-13A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
S36 - 0'	E408253-14A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.
S37 - 0'	E408253-15A	Soil	08/27/24	08/29/24	Glass Jar, 2 oz.



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Matador Resources, LLC.	Project Name:	Von	West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manage	er: Ash	ey Giover	ngo			9/5/2024 2:57:46PM
		FS20 - 0'					
	]	E408253-01					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	08/31/24	
Ethylbenzene	ND	0.0250		1	08/29/24	08/31/24	
Toluene	0.0260	0.0250		1	08/29/24	08/31/24	
p-Xylene	0.0785	0.0250		1	08/29/24	08/31/24	
o,m-Xylene	0.260	0.0500		1	08/29/24	08/31/24	
Fotal Xylenes	0.338	0.0250		1	08/29/24	08/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130		08/29/24	08/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		08/29/24	08/31/24	
Surrogate: Toluene-d8		107 %	70-130		08/29/24	08/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	40.1	20.0		1	08/29/24	08/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130		08/29/24	08/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		08/29/24	08/31/24	
Surrogate: Toluene-d8		107 %	70-130		08/29/24	08/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV		: NV		Batch: 2435091
Diesel Range Organics (C10-C28)	122	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		81.0 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	6850	100		5	08/29/24	08/29/24	





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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	West TB 03-0002 ley Gioven	ıgo			<b>Reported:</b> 9/5/2024 2:57:46PM
		FS21 - 0'					
		E408253-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	08/31/24	
Ethylbenzene	ND	0.0250		1	08/29/24	08/31/24	
oluene	ND	0.0250		1	08/29/24	08/31/24	
-Xylene	ND	0.0250		1	08/29/24	08/31/24	
,m-Xylene	ND	0.0500		1	08/29/24	08/31/24	
Total Xylenes	ND	0.0250		1	08/29/24	08/31/24	
urrogate: Bromofluorobenzene		101 %	70-130		08/29/24	08/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		08/29/24	08/31/24	
urrogate: Toluene-d8		105 %	70-130		08/29/24	08/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	08/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/29/24	08/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		08/29/24	08/31/24	
urrogate: Toluene-d8		105 %	70-130		08/29/24	08/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435091
Diesel Range Organics (C10-C28)	40.5	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		80.5 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	8390	200		10	08/29/24	08/29/24	



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Matador Resources, LLC.	Project Name:		West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manage	er: Ash	ley Giover	igo			9/5/2024 2:57:46PM
		FS22 - 0'					
	]	E408253-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	08/31/24	
Ethylbenzene	ND	0.0250		1	08/29/24	08/31/24	
Toluene	ND	0.0250		1	08/29/24	08/31/24	
p-Xylene	ND	0.0250		1	08/29/24	08/31/24	
p,m-Xylene	ND	0.0500		1	08/29/24	08/31/24	
Total Xylenes	ND	0.0250		1	08/29/24	08/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/29/24	08/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		08/29/24	08/31/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	08/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	08/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/29/24	08/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		08/29/24	08/31/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	08/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2435091
Diesel Range Organics (C10-C28)	232	25.0		1	08/29/24	08/31/24	
Oil Range Organics (C28-C36)	91.1	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		84.9 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	10300	200		10	08/29/24	08/29/24	



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Matador Resources, LLC.	Project Name:		i West TB						
5400 LBJ Freeway, Suite 1500	Project Number		03-0002				<b>Reported:</b> 9/5/2024 2:57:46PM		
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovei	ngo			9/5/2024 2:57:46PM		
		FS24 - 0'							
		E408253-04							
		Reporting							
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099		
Benzene	ND	0.0250		1	08/29/24	08/31/24			
Ethylbenzene	ND	0.0250		1	08/29/24	08/31/24			
Toluene	ND	0.0250		1	08/29/24	08/31/24			
p-Xylene	ND	0.0250		1	08/29/24	08/31/24			
o,m-Xylene	ND	0.0500		1	08/29/24	08/31/24			
Fotal Xylenes	ND	0.0250		1	08/29/24	08/31/24			
Surrogate: Bromofluorobenzene		98.5 %	70-130		08/29/24	08/31/24			
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		08/29/24	08/31/24			
Surrogate: Toluene-d8		104 %	70-130		08/29/24	08/31/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435099		
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	08/31/24			
Surrogate: Bromofluorobenzene		98.5 %	70-130		08/29/24	08/31/24			
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		08/29/24	08/31/24			
Surrogate: Toluene-d8		104 %	70-130		08/29/24	08/31/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2435091		
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24			
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24			
Surrogate: n-Nonane		93.9 %	50-200		08/29/24	08/31/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101		
Chloride	7950	200		10	08/29/24	08/29/24			



	D.	ample D	ala				
Matador Resources, LLC.	Project Name:	Von	i West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002				Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	ngo			9/5/2024 2:57:46PM
		FS27 - 0'					
		E408253-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Fotal Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		102 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		102 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2435091	
Diesel Range Organics (C10-C28)	39.5	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		83.3 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	11600	200		10	08/29/24	08/30/24	



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Matador Resources, LLC.	Project Name:		West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Gioveng	go			9/5/2024 2:57:46PM
		FS28 - 0'					
		E408253-06					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435099
Benzene	ND	0.0250	1	1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250	1	1	08/29/24	09/04/24	
Toluene	ND	0.0250	1	1	08/29/24	09/04/24	
p-Xylene	ND	0.0250	1	1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500	1	1	08/29/24	09/04/24	
Fotal Xylenes	ND	0.0250	1	1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		101 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		101 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435091
Diesel Range Organics (C10-C28)	191	25.0	1	1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	61.6	50.0	1	1	08/29/24	08/31/24	
Surrogate: n-Nonane		79.0 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2435101
Chloride	11500	200	1	0	08/29/24	08/30/24	



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Matador Resources, LLC.	Project Name:		i West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manage	er: Ash	ley Giover	ngo			9/5/2024 2:57:46PM
		FS29 - 0'					
	]	E408253-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Total Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		102 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		102 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2435091	
Diesel Range Organics (C10-C28)	275	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	119	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		87.3 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	10600	200		10	08/29/24	08/30/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		i West TB 03-0002				Reported:
Dallas TX, 75240	Project Manag		ley Gioven	go			9/5/2024 2:57:46PM
		FS30 - 0'					
		E408253-08					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Total Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		94.4 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		100 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		94.4 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		100 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2435091
Diesel Range Organics (C10-C28)	35.6	25.0		1	08/29/24	08/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		88.8 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2435101
Chloride	8880	200	1	0	08/29/24	08/30/24	



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Matador Resources, LLC.	Project Name:		West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash	ey Giover	ngo			9/5/2024 2:57:46PM
		FS31 - 0'					
		E408253-09					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
p,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Fotal Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		94.2 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		101 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		94.2 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		101 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435091
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		86.9 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	6130	100		5	08/29/24	08/30/24	



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Matador Resources, LLC.	Project Name:		i West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giover	igo			9/5/2024 2:57:46PM
		FS32 - 0'					
	-	E408253-10					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Fotal Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		102 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		102 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435091
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		91.4 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	8800	200		10	08/29/24	08/30/24	



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Matador Resources, LLC.	Project Name:		West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Gioven	igo			9/5/2024 2:57:46PM
		FS33 - 0'					
		E408253-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Total Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		92.3 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		92.3 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435091
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		93.5 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	8480	200		10	08/29/24	08/30/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		i West TB 03-0002				Reported:
Dallas TX, 75240	Project Manag		ley Gioven	go			9/5/2024 2:57:46PM
		FS34 - 0'					
		E408253-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	08/30/24	
Ethylbenzene	ND	0.0250		1	08/29/24	08/30/24	
Toluene	ND	0.0250		1	08/29/24	08/30/24	
p-Xylene	ND	0.0250		1	08/29/24	08/30/24	
o,m-Xylene	ND	0.0500		1	08/29/24	08/30/24	
Total Xylenes	ND	0.0250		1	08/29/24	08/30/24	
Surrogate: Bromofluorobenzene		100 %	70-130		08/29/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		08/29/24	08/30/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	08/30/24	
Surrogate: Bromofluorobenzene		100 %	70-130		08/29/24	08/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		08/29/24	08/30/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435091
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		70.2 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	11000	200	1	10	08/29/24	08/30/24	



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Matador Resources, LLC.	Project Name:		i West TB				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Gioven	igo			9/5/2024 2:57:46PM
		FS35 - 0'					
	-	E408253-13					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Total Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		93.7 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		100 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		93.7 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		100 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435091
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		91.9 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	4250	100		5	08/29/24	08/30/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number		i West TB 03-0002				Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Gioven	igo			9/5/2024 2:57:46PM
		FS36 - 0'					
		E408253-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
p-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Total Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		92.9 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		92.9 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		103 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2435091
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		85.8 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	5750	100		5	08/29/24	08/30/24	



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Matador Resources, LLC.	Project Name:		i West TB 03-0002				Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numbe Project Manag		ley Gioven				9/5/2024 2:57:46PM
Danas IA, 75240	Floject Mailag	ci. Asii	ley Gloven	igo			9/5/2024 2.57.401 W
		FS37 - 0'					
		E408253-15					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Benzene	ND	0.0250		1	08/29/24	09/04/24	
Ethylbenzene	ND	0.0250		1	08/29/24	09/04/24	
Toluene	ND	0.0250		1	08/29/24	09/04/24	
o-Xylene	ND	0.0250		1	08/29/24	09/04/24	
o,m-Xylene	ND	0.0500		1	08/29/24	09/04/24	
Fotal Xylenes	ND	0.0250		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		95.6 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		08/29/24	09/04/24	
Surrogate: Toluene-d8		101 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2435099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/24	09/04/24	
Surrogate: Bromofluorobenzene		95.6 %	70-130		08/29/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		08/29/24	09/04/24	
urrogate: Toluene-d8		101 %	70-130		08/29/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2435091
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/24	08/31/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/29/24	08/31/24	
Surrogate: n-Nonane		88.1 %	50-200		08/29/24	08/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2435101
Chloride	8000	200		10	08/29/24	08/30/24	



# QC Summary Data

				iry Data								
Matador Resources, LLC.		Project Name:		oni West TB					Reported:			
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002								
Dallas TX, 75240		Project Manager:	As	shley Giovengo				9	0/5/2024 2:57:46PM			
		Volatile Organic	Compo	unds by EPA	A 82601	B		Analyst: BA				
Analyte		Reporting	Spike	Source		Rec	RPD	RPD Limit				
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	%	%	Notes			
Blank (2435099-BLK1)							Prepared: 0	8/29/24 And	alyzed: 08/30/24			
Benzene	ND	0.0250					Trepared. 0	0/2//24 And	ilyzea. 08/30/24			
Ethylbenzene	ND	0.0250										
Toluene	ND											
	ND	0.0250										
o-Xylene		0.0250										
p,m-Xylene	ND	0.0500										
Total Xylenes	ND	0.0250										
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130						
Surrogate: Toluene-d8	0.525		0.500		105	70-130						
LCS (2435099-BS1)							Prepared: 0	8/29/24 Ana	alyzed: 08/30/24			
Benzene	2.18	0.0250	2.50		87.2	70-130			-			
Ethylbenzene	2.26	0.0250	2.50		90.6	70-130						
Toluene	2.39	0.0250	2.50		95.8	70-130						
o-Xylene	2.49	0.0250	2.50		99.5	70-130						
	4.94		5.00		98.8	70-130						
p,m-Xylene	7.43	0.0500			98.8 99.0	70-130						
Total Xylenes		0.0250	7.50									
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130						
Surrogate: Toluene-d8	0.524		0.500		105	70-130						
Matrix Spike (2435099-MS1)				Source: E	408253-	12	Prepared: 0	8/29/24 Ana	alyzed: 08/30/24			
Benzene	2.23	0.0250	2.50	ND	89.1	48-131						
Ethylbenzene	2.28	0.0250	2.50	ND	91.0	45-135						
Toluene	2.41	0.0250	2.50	ND	96.2	48-130						
o-Xylene	2.50	0.0250	2.50	ND	100	43-135						
p,m-Xylene	4.96	0.0500	5.00	ND	99.2	43-135						
Total Xylenes	7.46	0.0250	7.50	ND	99.5	43-135						
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.303		0.500		98.7	70-130						
Surrogate: Toluene-d8	0.521		0.500		104	70-130						
Matrix Spike Dup (2435099-MSD1)				Source: E	408253-	12	Prepared: 0	8/29/24 An:	alyzed: 08/30/24			
Benzene	2.15	0.0250	2.50	ND	86.1	48-131	3.45	23	,			
Ethylbenzene	2.25	0.0250	2.50	ND	90.1	45-135	0.994	23				
-	2.23		2.50	ND	90.1 94.8	48-130	1.49	24				
Toluene		0.0250										
o-Xylene	2.45	0.0250	2.50	ND	97.8	43-135	2.30	27				
p,m-Xylene	4.86	0.0500	5.00	ND	97.1	43-135	2.12	27				
Total Xylenes	7.30	0.0250	7.50	ND	97.4	43-135	2.18	27				
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130						



# QC Summary Data

Nonhalogenated Organics by EPA 8015D - GRO         Analysi: BA           Analyte         Reporting mg/g         Spike Level mg/g         Result mg/g         Source Level mg/g         Result mg/g         Reporting mg/g         Source mg/g         Reporting mg/g         Source mg/g         Reporting mg/g         Reporting mg/g         Source mg/g         Reporting mg			QC D	u1111116	ir y Data	L				
Analyte         Result mg/kg         Reprint Limit mg/kg         Source mg/kg         Rec mg/kg         Rev mg/kg         RPD mg/kg         RPD kimit mg/kg         RPD k	5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002	)				<b>Reported:</b> 9/5/2024 2:57:46PM
Analyte         Limit mg/kg         Level mg/kg         Result mg/kg		No	onhalogenated O	rganics	by EPA 801	5D - GR	0			Analyst: BA
Blank (2435099-BLK1)         Prepared: 08/29/24 Analyzed: 08/30/24           Gasoline Range Organics (C6-C10)         ND         20.0         70-130           Surrogate: Bromofiliarobenzene         0.502         0.500         94.8         70-130           Surrogate: I.2-Dichloroethane-d4         0.474         0.500         94.8         70-130           Surrogate: I.2-Dichloroethane-d4         0.474         0.500         94.8         70-130           Surrogate: I.2-Dichloroethane-d4         0.474         0.500         70-130         Prepared: 08/29/24 Analyzed: 08/30/24           Basoline Range Organics (C6-C10)         38.8         20.0         50.0         77.6         70-130           Surrogate: Tohuen-d8         0.516         0.500         103         70-130            Surrogate: Tohuen-d8         0.538         0.500         91.7         70-130            Surrogate: Tohuen-d8         0.538         0.500         108         70-130            Surrogate: Bromofiliarobenzene         0.536         0.500         107         70-130            Surrogate: Tohuen-d8         0.537         0.500         ND         79.5         70-130            Surogate: Bromofiliarobenzene         0.536	Analyte	Result		-		Rec		RPD		
Biasoline Range Organics (C6-C10)       ND       20.0         Surrogate: Bromofluorobenzene       0.502       0.500       100       70-130         Surrogate: 1,2-Dickloroethane-d4       0.474       0.500       94.8       70-130         Surrogate: 1,2-Dickloroethane-d4       0.474       0.500       94.8       70-130         Surrogate: 1,2-Dickloroethane-d4       0.474       0.500       94.8       70-130         LCS (2435099-BS2)       Prepared: 08/29/24 Analyzed: 08/30/24         Surrogate: Bromofluorobenzene       0.516       0.500       70.6       70-130         Surrogate: I,2-Dickloroethane-d4       0.459       0.500       91.7       70-130         Surrogate: I,2-Dickloroethane-d4       0.459       0.500       91.8       70-130         Surrogate: I,2-Dickloroethane-d4       0.459       0.500       91.8       70-130         Surrogate: I,2-Dickloroethane-d4       0.459       0.500       ND       70.5       70-130         Surrogate: I,2-Dickloroethane-d4       0.538       0.500       ND       70.5       70-130         Surrogate: I,2-Dickloroethane-d4       0.516       0.500       ND       70.5       70-130         Surrogate: I,2-Dickloroethane-d4       0.536       0.500       ND <td></td> <td>mg/kg</td> <td>mg/kg</td> <td>mg/kg</td> <td>mg/kg</td> <td>%</td> <td>%</td> <td>%</td> <td>%</td> <td>Notes</td>		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
International Construction         International Construction         International Construction           Surrogate: Bromofluoroberzene         0.502         0.500         100         70-130           Surrogate: I.2-Dichloroethane-d4         0.474         0.500         94.8         70-130           LCS (2435099-BS2)         Prepared: 08/29/24         Analyzed: 08/30/24           Gasoline Range Organics (C6-C10)         38.8         20.0         50.0         77.6         70-130           Surrogate: 1.2-Dichloroethane-d4         0.459         0.500         91.7         70-130           Surrogate: 1.2-Dichloroethane-d4         0.459         0.500         91.7         70-130           Surrogate: 1.2-Dichloroethane-d4         0.459         0.500         91.7         70-130           Matrix Spike (2435099-MS2)         Source: E408253-12         Prepared: 08/29/24         Analyzed: 08/31/24           Gasoline Range Organics (C6-C10)         39.8         20.0         50.0         ND         79.5         70-130           Surrogate: 1.2-Dichloroethane-d4         0.453         0.500         ND         70.5            Surrogate: 1.2-Dichloroethane-d4         0.453         0.500         ND         70.5            Surrogate: 1.2-Dichloroethane-d4	Blank (2435099-BLK1)							Prepared: 0	8/29/24 A	Analyzed: 08/30/24
Name       Out       Out <tho< td=""><td>Gasoline Range Organics (C6-C10)</td><td>ND</td><td>20.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tho<>	Gasoline Range Organics (C6-C10)	ND	20.0							
International and particulation of the second state of	Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
LCS (2435099-BS2)       Prepared: 08/29/24       Analyzed: 08/30/24         Gasoline Range Organics (C6-C10)       38.8       20.0       50.0       77.6       70-130         Surrogate: 1,2-Dichloroethane-d4       0.459       0.500       91.7       70-130         Surrogate: Toluene-d8       0.538       0.500       91.7       70-130         Matrix Spike (2435099-MS2)       Source: E408253-12       Prepared: 08/29/24       Analyzed: 08/31/24         Gasoline Range Organics (C6-C10)       39.8       20.0       50.0       ND       79.5       70-130         Surrogate: 1,2-Dichloroethane-d4       0.453       0.500       108       70-130       ND       70-130         Surrogate: Bromofluorobenzene       0.536       0.500       ND       79.5       70-130       ND       70-130         Surrogate: I,2-Dichloroethane-d4       0.453       0.500       90.5       70-130       ND       70-130         Matrix Spike Dup (2435099-MSD2)       Source: E408253-12       Prepared: 08/29/24       Analyzed: 08/31/24         Matrix Spike Dup (2435099-MSD2)       0.500       104       70-130       ND       70-130         Surrogate: Toluene-d8       0.507       0.500       104       70-130       ND       70-130	Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Gasoline Range Organics (C6-C10)       38.8       20.0       50.0       77.6       70-130         Surrogate: Bromofluorobenzene       0.516       0.500       103       70-130         Surrogate: I,2-Dickloroethane-d4       0.459       0.500       91.7       70-130         Surrogate: Toluene-d8       0.538       0.500       108       70-130         Matrix Spike (2435099-MS2)       Source: E408253-12       Prepared: 08/29/24       Analyzed: 08/31/24         Gasoline Range Organics (C6-C10)       39.8       20.0       50.0       ND       79.5       70-130         Surrogate: Toluene-d8       0.536       0.500       107       70-130       70-130         Surrogate: 1,2-Dickloroethane-d4       0.453       0.500       90.5       70-130         Surrogate: Toluene-d8       0.521       0.500       104       70-130         Surrogate: Toluene-d8       0.521       0.500       104       70-130         Matrix Spike Dup (2435099-MSD2)       Source: E408253-12       Prepared: 08/29/24       Analyzed: 08/31/24         Gasoline Range Organics (C6-C10)       38.1       20.0       50.0       ND       76.1       70-130         Surrogate: Bromofluorobenzene       0.507       0.500       ND       76.1	Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Instruction         Instruction <thinstruction< th=""> <thinstruction< th=""></thinstruction<></thinstruction<>	LCS (2435099-BS2)							Prepared: 0	8/29/24 A	Analyzed: 08/30/24
Surrogate:       1.1.0       91.7       70-130         Surrogate:       0.538       0.500       108       70-130         Matrix Spike (2435099-MS2)       Source:       E408253-12       Prepared:       08/29/24       Analyzed:       08/31/24         Gasoline Range Organics (C6-C10)       39.8       20.0       50.0       ND       79.5       70-130         Surrogate:       1.2-Dichloroethane-d4       0.453       0.500       107       70-130         Surrogate:       1.2-Dichloroethane-d4       0.453       0.500       90.5       70-130         Surrogate:       1.2-Dichloroethane-d4       0.453       0.500       90.5       70-130         Matrix Spike Dup (2435099-MSD2)       50.0       104       70-130	Gasoline Range Organics (C6-C10)	38.8	20.0	50.0		77.6	70-130			
Surrogate: Toluene-d8       0.538       0.500       108       70-130         Matrix Spike (2435099-MS2)       Source: E408253-12       Prepared: 08/29/24       Analyzed: 08/31/24         Gasoline Range Organies (C6-C10)       39.8       20.0       50.0       ND       79.5       70-130         Gasoline Range Organies (C6-C10)       39.8       20.0       50.0       ND       79.5       70-130         Gasoline Range Organies (C6-C10)       39.8       20.0       50.0       ND       70.7       70-130         Source : L00000000000000000000000000000000000	Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Matrix Spike (2435099-MS2)         Source: E408253-12         Prepared: 08/29/24         Analyzed: 08/31/24           Gasoline Range Organics (C6-C10)         39.8         20.0         50.0         ND         79.5         70-130           Sourcogate: Bromofluorobenzene         0.536         0.500         107         70-130           Sourcogate: 1,2-Dichloroethane-d4         0.453         0.500         90.5         70-130           Sourcogate: Toluene-d8         0.521         0.500         104         70-130           Matrix Spike Dup (2435099-MSD2)         Source: E408253-12         Prepared: 08/29/24         Analyzed: 08/31/24           Gasoline Range Organics (C6-C10)         38.1         20.0         50.0         ND         76.1         70-130           Surrogate: Bromofluorobenzene         0.507         0.500         ND         76.1         70-130         4.35         20           Surrogate: 1,2-Dichloroethane-d4         0.458         0.500         91.6         70-130         4.35         20	Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.7	70-130			
Gasoline Range Organics (C6-C10)       39.8       20.0       50.0       ND       79.5       70-130         Surrogate: Bromofluorobenzene       0.536       0.500       107       70-130         Surrogate: 1,2-Dichloroethane-d4       0.453       0.500       90.5       70-130         Surrogate: Toluene-d8       0.521       0.500       104       70-130         Matrix Spike Dup (2435099-MSD2)       Source: E408253-12       Prepared: 08/29/24       Analyzed: 08/31/24         Gasoline Range Organics (C6-C10)       38.1       20.0       50.0       ND       76.1       70-130         Surrogate: Bromofluorobenzene       0.507       0.500       104       70-130       20         Surrogate: I,2-Dichloroethane-d4       0.458       0.500       90.5       70-130       4.35       20	Surrogate: Toluene-d8	0.538		0.500		108	70-130			
Starrogate: Bromofluorobenzene       0.536       0.500       107       70-130         Sturrogate: 1,2-Dichloroethane-d4       0.453       0.500       90.5       70-130         Sturrogate: 1,2-Dichloroethane-d4       0.453       0.500       90.5       70-130         Matrix Spike Dup (2435099-MSD2)       Source: E408253-12       Prepared: 08/29/24       Analyzed: 08/31/24         Gasoline Range Organics (C6-C10)       38.1       20.0       50.0       ND       76.1       70-130       4.35       20         Sturrogate: 1,2-Dichloroethane-d4       0.458       0.500       91.6       70-130       4.35       20	Matrix Spike (2435099-MS2)				Source: <b>F</b>	E <b>408253-1</b> 2	2	Prepared: 0	8/29/24 A	Analyzed: 08/31/24
Surrogate: 1,2-Dichloroethane-d4       0.453       0.500       90.5       70-130         Surrogate: 1,2-Dichloroethane-d4       0.453       0.500       104       70-130         Matrix Spike Dup (2435099-MSD2)       Source: E408253-12       Prepared: 08/29/24         Matrix Spike Dup (2435099-MSD2)       Source: E408253-12       Prepared: 08/29/24         Salorine Range Organics (C6-C10)       38.1       20.0       50.0       ND       76.1       70-130       4.35       20         Surrogate: 1,2-Dichloroethane-d4       0.458       0.500       91.6       70-130       4.35       20	Gasoline Range Organics (C6-C10)	39.8	20.0	50.0	ND	79.5	70-130			
Surrogate: Toluene-d8     0.521     0.500     104     70-130       Matrix Spike Dup (2435099-MSD2)     Source: E408253-12     Prepared: 08/29/24     Analyzed: 08/31/24       Gasoline Range Organies (C6-C10)     38.1     20.0     50.0     ND     76.1     70-130     4.35     20       Gasoline Range Organies (C6-C10)     38.1     20.0     50.0     ND     76.1     70-130     4.35     20       Surrogate: Bromofluorobenzene     0.507     0.500     101     70-130     50.0     50.0     50.1     50.1       Surrogate: 1,2-Dichloroethane-d4     0.458     0.500     91.6     70-130     50.1     50.1	Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Matrix Spike Dup (2435099-MSD2)         Source: E408253-12         Prepared: 08/29/24         Analyzed: 08/31/24           Gasoline Range Organies (C6-C10)         38.1         20.0         50.0         ND         76.1         70-130         4.35         20           Gasoline Range Organies (C6-C10)         38.1         20.0         50.0         ND         76.1         70-130         4.35         20           Source: I,2-Dichloroethane-d4         0.458         0.500         91.6         70-130         4.35         20	Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.5	70-130			
Gasoline Range Organics (C6-C10)     38.1     20.0     50.0     ND     76.1     70-130     4.35     20       Surrogate: Bromofluorobenzene     0.507     0.500     101     70-130       Surrogate: 1,2-Dichloroethane-d4     0.458     0.500     91.6     70-130	Surrogate: Toluene-d8	0.521		0.500		104	70-130			
Surrogate: Isromofluorobenzene         0.507         0.500         101         70-130           Surrogate: 1,2-Dichloroethane-d4         0.458         0.500         91.6         70-130	Matrix Spike Dup (2435099-MSD2)				Source: H	E408253-12	2	Prepared: 0	8/29/24 A	Analyzed: 08/31/24
Surrogate: 1,2-Dichloroethane-d4 0.458 0.500 91.6 70-130	Gasoline Range Organics (C6-C10)	38.1	20.0	50.0	ND	76.1	70-130	4.35	20	
	Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: Toluene-d8 0.531 0.500 106 70-130	Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
	Surrogate: Toluene-d8	0.531		0.500		106	70-130			

# QC Summary Data

		QC D	u 111111	ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Voni West TB 23003-0002 Ashley Giovengo					<b>Reported:</b> 9/5/2024 2:57:46PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2435091-BLK1)							Prepared: 0	8/29/24 A	analyzed: 08/31/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			
LCS (2435091-BS1)							Prepared: 0	8/29/24 A	analyzed: 08/31/24
Diesel Range Organics (C10-C28)	210	25.0	250		83.9	38-132			
Surrogate: n-Nonane	45.6		50.0		91.2	50-200			
Matrix Spike (2435091-MS1)				Source: E	408249-	02	Prepared: 0	8/29/24 A	analyzed: 08/31/24
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.3	38-132			
Surrogate: n-Nonane	45.5		50.0		90.9	50-200			
Matrix Spike Dup (2435091-MSD1)				Source: E	408249-	02	Prepared: 0	8/29/24 A	analyzed: 08/31/24
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	38-132	6.04	20	
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			



# **QC Summary Data**

			••	- ,					
Matador Resources, LLC.		Project Name:		oni West TB 3003-0002					Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager		shley Giovens	70				9/5/2024 2:57:46PM
Dallas IX, 75240		Project Manager	. А	sniey Glovenş	30				9/3/2024 2.37.40FW
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2435101-BLK1)							Prepared: 0	8/29/24 A	nalyzed: 08/29/24
Chloride	ND	20.0							
LCS (2435101-BS1)							Prepared: 0	8/29/24 A	nalyzed: 08/29/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2435101-MS1)				Source:	E408253-(	03	Prepared: 0	8/29/24 A	nalyzed: 08/29/24
Chloride	10700	200	250	10300	154	80-120			M4
Matrix Spike Dup (2435101-MSD1)				Source:	E408253-(	03	Prepared: 0	8/29/24 A	nalyzed: 08/29/24
Chloride	10200	200	250	10300	NR	80-120	4.54	20	M4

QC Summary Report Comment:

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



	2 chinkion	5 and 1 (ores	
Matador Resources, LLC.	Project Name:	Voni West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/05/24 14:57

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.

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

# **Chain of Custody**

	Clier	nt Inform	ation			Invoice	Information	1			La	b Us	e On	ly			Т	AT		Stat	е
Client: N	latador Prod	uction Co	ompany			npany: Ensolur			La	b WO	ŧ		Job			:	D 2D	3D Sto		A CO UT	TX
	/oni West TB				Ad	dress: 3122 Nat	ional Parks Hwy		E	b WO	253		230	203	- 000	2		X	X		
	lanager: Ash		engo		City	, State, Zip: Car	rlsbad NM, 8822	0													
Address:	3122 Nation	nal Parks	Hwy		Pho	ne: 575-988-0	055						Ana	lysis	and	/leth	bd			EPA Progr	am
City, Stat	e, Zip: Carlsl	bad NM,	88220		Err	ail: agiovengo	@ensolum.com												SDWA	CWA	RCRA
Phone: 5	75-988-0055	5			Mis	cellaneous:				1											
Email: a	giovengo@ei	nsolum.c	om			a salutera				15	15								Complia		or N
				-				-		y 80	y 80	Ħ	0	0.0	5	×	als		PWSID	#	
				Samp	le Informatio	on				30 b	30 b	8021	826	e 300	NN -	05 - 1	Met				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks	5
14:09	8/27/2024	Soil	1			FS20 - 0'			1						x						
11:41	8/27/2024	Soil	1			FS21 - 0'			2						x						
14:04	8/27/2024	Soil	1			FS22 - 0'			3						х						
11:39	8/27/2024	Soil	1			FS24 - 0'			4						х						_
10:20	8/27/2024	Soil	1			FS27 - 0'			5						х						
14:15	8/27/2024	Soil	1			FS28 - 0'			6						х						
11:34	8/27/2024	Soil	1			FS29 - 0'			7						х						
11:50	8/27/2024	Soil	1			FS30 - 0'			8						х						
14:02	8/27/2024	Soil	1			FS31 - 0'			9						х						
13:34	8/27/2024	Soil	1	-		FS32 - 0'			10						х						
	al Instructions@ensolum		ase CC: cb	ourton@er	nsolum.com,	agiovengo@en	solum.com, iest	rella	@ensolu	um.co	m, bo	leal@	Dens	olum	.com	, cha	milton	@ensolu	m.com,		
, (field sam	pler), attest to the	e validity and		of this sample	e. I am aware tha	t tampering with or in	tentionally mislabeling	the sa	ample locat	ion, date	or tim	e of co	ollectio	n is con	nsidere	l fraud	and may	be grounds t	for legal action	on.	
	Cole Burton a				Time	Densing the law	atura)	Data		Time	-	-	1	-	Sample	requiri	ng thermal	preservation	must be receiv	ved on ice the d	av they are
kelinguish	ed by: (Signatu	re)	Date	128/24	10:15	Received by: (Sign	Gonzales	X	17.14		015									e 0 but less tha	
Relinquich	ed by (Signatu	re) A	Date		Time	Received by: (Sign		Date	20.0	Time		-			subsen	ent day	s	Lab	Use Only		
Wie	helle A	ongol		2824	1710	Gal	1		-28-24	17	10				Rece	ived	on ice:	M/			
	ed by: (Signatu	u		202	Time	Received by: (Sign	ature)					-			nece	weu	on ice.	0,			
-	en Bries		8-	29-24	0175	1 Min	a dem	8	Izaliy	8	:0		2		T1			T2		Т3	
	ed by: (Signatu	re)	Date		Time	Received by: (Sign	ature)	Date		Time		-						1			
reinquisi	ca by. (Signatu	1			den 18.										AVG	Tem	o°c	t			
	rix: S - Soil, Sd - S							16 14 X 27 C	ntainer Tr		-	C. 1. S			c, ag	ambe	er plass	v - VOA			
Note: Sam	ples are discard	ded 14 days	after resul	ts are report	ed unless other		made. Hazardous sa									client	expense	e. The repo	rt for the a	ro <sup>1</sup>	e above
	and the late and	to those s	amples rece	eived by the l	laboratory with	this COC. The liabili	ity of the laboratory	is lim	nited to th	e amou	nt pair	d for a	on the	repor	t.						

Received by OCD: 9/14/2024 12:00:29 AM

Page

# **Chain of Custody**

	Clier	nt Inform	ation			Invoice Informat	on		1		La	b Us	e Onl	1				TAT		State
Client: N	atador Prod	uction Co	ompany			ompany: Ensolum LLC			Lab W	VO#			Job N	umb	er	1	1D 2	D 3D Sto	4	NM CO UT TX
Project:	oni West TB				A	ddress: 3122 National Park	s Hwy		Lab WO# Job Numb							22		X		X
Project N	anager: Ash	nley Giov	engo		C	City, State, Zip: Carlsbad NM, 88220														
ddress:	3122 Nation	nal Parks	Hwy		PI	ione: 575-988-0055	1		Γ				Anal	sis a	and N	<b>Aeth</b>	od			EPA Program
ity, Stat	e, Zip: Carlsh	bad NM,	88220		E	mail: agiovengo@ensolur	n.com												SI	DWA CWA RCRA
hone:	75-988-0055	5			M	scellaneous:														
mail: a	iovengo@er	nsolum.c	om				-	_		8015	8015									mpliance Y or N
										y 80	y 80	17	0	0.0	5	×	tals		PV	VSID #
				Samp	le Informat	ion				RO	ROF	y 80.	/ 826	le 30	N - 2	- 500	8 Metals			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Filter Nur	ab nber	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8			Remarks
10:29	8/27/2024	Soil	1			FS33 - 0'		1	1						x					
10:30	8/27/2024	Soil	1			FS34 - 0'		1	12						x					
10:22	8/27/2024	Soil	1			FS35 - 0'		1	3						x					
10:26	8/27/2024	Soil	1			FS36 - 0'		1	4						x					
10:24	8/27/2024	Soil	1	1		FS37 - 0'		K	5						x					
				1																
				-																
	al Instructio s@ensolum		ase CC: cb	urton@e	nsolum.com	n, agiovengo@ensolum.cor	n, iestrel	la@ens	solum	.con	n, bd	eal@	ensc	lum.	com	, cha	miltor	n@ensolur	m.co	om,
(field sam	ler), attest to the Cole Burton an	e validity and		of this samp	e. I am aware t	nat tampering with or intentionally mi	slabeling the	e sample l	ocation,	date	or time	e of co	llection	is cons	sidered	l fraud	and ma	y be grounds f	or leg	al action.
elinquist	ed by: (Signatur	re)	Date	28/24	Time 10:15	Received by: (Signature)	ales <sup>D</sup>	ate 8.28.	24	Time	215			s		l or rece	eived pac			e received on ice the day they are np above 0 but less than 6 °C on
elinquist	d by (Signatur	onzal	Date	18:24	Time	Received by: (Signature)	D	8-28-		Time	10				Rece	ived	on ice	: 🕢 /		Only
Relinquist	ed by: (Signatur	re)	Date 8-2	29-24	Time 0/35	Received by: (Signature)	D	8/24	m	Time	:00	>			T1			<u>T2</u>		<u>T3</u>
Relinquist	ed by: (Signatui	re)	Date		Time	Received by: (Signature)		ate		Time					AVG	Tem	p°C_	4		
	ix: S - Soil, Sd - S																	s, v - VOA		
Note: Sam	oles are discard	led 14 days	after result	ts are repor	ted unless oth	er arrangements are made. Hazar th this COC. The liability of the lab	dous samp	oles will b	e retur	rned t	o clie	nt or	dispos	ed of a	at the	client	expens	se. The repor	rt for	the analysis of the above

# **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

	Matador Resources, LLC. D	ate Received:	08/29/24	08:00		Work Order ID:	E408253
Phone:	(972) 371-5200 D	ate Logged In:	08/28/24	16:39		Logged In By:	Noe Soto
Email:	· /	le Date:	09/05/24	17:00 (4 day TAT)	)		
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier:	Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commen	ts/Resolution
Sample	Turn Around Time (TAT)						
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	· •						
	sample cooler received?		Yes				
	, was cooler received in good condition?		Yes				
9. Was t	he sample(s) received intact, i.e., not broken?		Yes				
	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
•	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes				
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample ter		C				
		nperature. <u>+</u>	<u> </u>				
	<u>Container</u> 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				
	e appropriate volume/weight or number of sample containers	collected?	Yes				
Field La		conceted.	105				
	e field sample labels filled out with the minimum inform	ation					
	Sample ID?	ution.	Yes				
	Date/Time Collected?		Yes				
			Yes				
]	Collectors name?		165				
] ( Sample	Preservation						
] <u>Sample</u> 21. Does	<u>Preservation</u> s the COC or field labels indicate the samples were prese	erved?	No				
5 <u>Sample</u> 21. Does 22. Are	<u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?		No NA				
5 <u>Sample</u> 21. Does 22. Are	<u>Preservation</u> s the COC or field labels indicate the samples were prese		No				
5 <u>Sample</u> 21. Does 22. Are = 24. Is lal	<u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta nase Sample Matrix	ıls?	No NA				
5 <u>Sample</u> 21. Does 22. Are = 24. Is lal	<u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ıls?	No NA				
<b>Sample</b> 21. Does 22. Are : 24. Is lal <b>Multiph</b> 26. Does	<u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta nase Sample Matrix	ıls?	No NA No				
<b>Sample</b> 21. Does 22. Are = 24. Is lat <b>Multiph</b> 26. Does 27. If ye	<u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ıls?	No NA No No				
Sample           21. Does           22. Are :           24. Is lal           Multiph           26. Does           27. If ye           Subcont           28. Are :	<b>Preservation</b> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <b>tase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase? is, does the COC specify which phase(s) is to be analyze	ıls? d?	No NA No No				

Date



envirotech Inc.

Released to Imaging: 11/18/2024 3:10:13 PM



# APPENDIX E

**Email Correspondence** 

Released to Imaging: 11/18/2024 3:10:13 PM

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

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QUESTIONS

Action 375554

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	375554
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417323765
Incident Name	NAPP2417323765 VONI WEST TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

# Location of Release Source

Site Name	Voni West TB
Date Release Discovered	06/20/2024
Surface Owner	Federal

#### Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	15,039
What is the estimated number of samples that will be gathered	71
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/26/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.03498, -103.78557

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	375554
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS			
	Created By		Condition Date
	j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/20/2024

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Action 375554

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

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QUESTIONS

Action 375571

Operator: OGRID: MATADOR PRODUCTION COMPANY 228937 One Lincoln Centre Action Number: Dallas, TX 75240 375571 Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417323765
Incident Name	NAPP2417323765 VONI WEST TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

#### Location of Release Source Site Name Voni West TB Date Release Discovered 06/20/2024 Surface Owner Federal

### Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	15,039	
What is the estimated number of samples that will be gathered	71	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/27/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.03498, -103.78557	

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

CONDITIONS

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

CONDITIONS

Operator: 0	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	375571
1	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition
		Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/20/2024

CONDITIONS

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Action 375571

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

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QUESTIONS

Action 375576

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	375576
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417323765
Incident Name	NAPP2417323765 VONI WEST TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

#### Location of Release Source

Site Name	Voni West TB
Date Release Discovered	06/20/2024
Surface Owner	Federal

#### Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	15,039	
What is the estimated number of samples that will be gathered	71	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/28/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.03498, -103.78557	

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	375576
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS			
	Created By	Condition	Condition Date
	j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/20/2024

Action 375576

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

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QUESTIONS

Action 375581

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	375581
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417323765
Incident Name	NAPP2417323765 VONI WEST TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

#### Location of Release Source

Site Name	Voni West TB
Date Release Discovered	06/20/2024
Surface Owner	Federal

#### Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	15,039	
What is the estimated number of samples that will be gathered	71	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.03498, -103.78557	

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	375581
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS			
	Created By	Condition	Condition Date
	j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/20/2024

Action 375581

From:	Jason Touchet
То:	Ashley Giovengo
Cc:	Arsenio Jones
Subject:	RE: Please Submit - 48-hour Liner Integrity Inspection Notification - Voni West TB - Incident Number nAPP2417323765
Date:	Wednesday, August 7, 2024 3:32:41 PM
Attachments:	image001.png image002.png image003.png
	แมนส์สุดการที่มาส์

### [ \*\*EXTERNAL EMAIL\*\*]

#### \*\*EXTERNAL EMAIL\*\*

To whom it may concern (c/o Jason Touchet for MATADOR PRODUCTION COMPANY), The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2417323765.

The liner inspection is expected to take place:

When: 08/13/2024 @ 09:00 Where: E-21-26S-31E 0 FNL 0 FEL (32.03444,-103.78578)

Additional Information: Tank Containment

Additional Instructions: 32.03498, -103.78557

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

Thanks, Jason Touchet EHS Field Technician Matador Resources Company Cell: 337-652-3463 Email: jason.touchet@matadorresources.com
From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, August 7, 2024 3:17 PM
To: Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>
Subject: RE: Please Submit - 48-hour Liner Integrity Inspection Notification - Voni West TB - Incident
Number nAPP2417323765
Importance: High

### \*\*EXTERNAL EMAIL\*\*

JT,

Please submit a 48-hour Liner Inspection Notification for the Voni West TB. Please see the details below:

When: 08/13/2024 @ 09:30 am MST Incident Number: nAPP2417323765 Where: C-21-26S-31E (32.03498, -103.78557) Sq. Footage of Liner: 8,689 sq. ft.

Additional Information: Tank Containment

Additional Instructions: 32.03498, -103.78557

Thanks,



Ashley Giovengo Senior Scientist 575-988-0055 Ensolum, LLC in f X

"Your authenticity is your superpower." - Unknown

From: Ashley Giovengo
Sent: Wednesday, August 7, 2024 2:54 PM
To: Jason Touchet <<u>jason.touchet@matadorresources.com</u>>
Cc: Cole Burton <<u>cburton@ensolum.com</u>>; Chad Hamilton <<u>chamilton@ensolum.com</u>>
Subject: Please Submit - 48-hour Liner Integrity Inspection Notification - Voni West TB - Incident
Number nAPP2406051763
Importance: High

### JT,

Please submit a 48-hour Liner Inspection Notification for the Voni West TB. Please see the details below:

When: 08/13/2024 @ 09:30 am MST Incident Number: nAPP2406051763 Where: C-21-26S-31E (32.03498, -103.78557) Sq. Footage of Liner: 8,689 sq. ft.

Additional Information: Tank Containment

Additional Instructions: 32.03498, -103.78557

Thanks,



Ashley Giovengo Senior Scientist 575-988-0055

Ensolum, LLC

"Your authenticity is your superpower." - Unknown

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

From:	Velez, Nelson, EMNRD
To:	Ashley Giovengo
Cc:	jason.touchet@matadorresources.com;
Subject:	Re: [EXTERNAL] Confirmation Sampling Variance Request - Matador - Voni West TB - Incident Number nAPP2417323765
Date:	Wednesday, August 7, 2024 1:36:06 PM
Attachments:	image001.png image002.png image003.png Outlook-m2hcw4d5.png

### [ \*\*EXTERNAL EMAIL\*\*]

Good afternoon Ashley,

Thank you for the inquiry. Your request to increase the sampling area not to exceed 400 square feet from the excavation floor and not to exceed 200 square feet from the excavation sidewalls for each five (5) point composite per 19.15.29.12D (1b) NMAC is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have a safe and productive day!

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd\_



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, August 7, 2024 1:05 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Confirmation Sampling Variance Request - Matador - Voni West TB - Incident Number nAPP2417323765

### Hi Nelson,

This one is yours so here you go!

Shelly

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, August 7, 2024 11:57 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD
<Shelly.Wells@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; clinton.talley@matadorresources.com;

Arsenio Jones <arsenio.jones@matadorresources.com>

**Subject:** [EXTERNAL] Confirmation Sampling Variance Request - Matador - Voni West TB - Incident Number nAPP2417323765

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Voni West TB (Site) (Incident Number nAPP2417323765). On June 06, 2024, a 2" nipple going into the Odessa H pump sheared off which resulted in the release of approximately 62 barrels (bbls) of produced water; 15 bbls were recovered from the caliche pad. The point of release occurred in the line of H-pumps on the north side of the lined secondary containment. Produced water shot straight up and the overspray from the failure impacted an area approximately 16,041 square feet (sq. ft.) in size on-pad and impacted the lined secondary containment. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on June 21, 2024, via web portal and to the Bureau of Land Management (BLM) on June 21, 2024. A desktop review for potential site receptors has been completed for this Site and according to the New Mexico Office of the State Engineer (NMOSE), the closest depth to groundwater measurement is NMOSE well C-4769 POD1 with a depth to groundwater measurement of 101 ft below ground surface (bgs); the well is 0.36 miles from the release extent and the date of the last recorded measurement was on September 13, 2023. The site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is a freshwater emergent wetland located approximately 0.6 miles southeast of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the highest Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX 1,000 mg/kg GRO/DRO, 2,500 mg/kg GRO/DRO/ORO and 20,000 mg/kg chloride.

Lateral and vertical delineation sampling has been completed in accordance with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results indicated that all constituents of concern (COC's) were in compliance with the Site Closure Criteria for lateral delineation soil samples (SS01 through SS10) collected at ground surface and for vertical delineation soil samples collected from boreholes (BH01 through BH05) at ground surface (see Table 1). Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador intents to complete a surface scrape of the on-pad spill area, collected final confirmation samples and complete a liner integrity inspection of the lined secondary containment impacted by the release. Due to the to the shallow nature of the impacted area, the fact that the entire release remained on-pad and a regional depth to groundwater greater than 101 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2417323765).

Thanks,



Ashley Giovengo

Senior Scientist 575-988-0055 Ensolum, LLC

"Your authenticity is your superpower." - Unknown

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

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QUESTIONS

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QUESTIONS	
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Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	383463
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417323765
Incident Name	NAPP2417323765 VONI WEST TB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

#### Location of Release Source

Please answer all the questions in this group.	
Site Name	Voni West TB
Date Release Discovered	06/20/2024
Surface Owner	Federal

#### Incident Details

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

#### Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 62 BBL   Recovered: 15 BBL   Lost: 47 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)	Nipple going into Odessa H Pump sheared off and failed causing the release.

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QUESTIONS (co	ntinued)
	OODID:

C	perator:	OGRID:
	MATADOR PRODUCTION COMPANY	228937
	One Lincoln Centre	Action Number:
	Dallas, TX 75240	383463
		Action Type:
		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	afety 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	Actions have been taken.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/13/2024	

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

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	383463
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

#### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	14500	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	841	
GRO+DRO (EPA SW-846 Method 8015M)	631	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	08/26/2024	
On what date will (or did) the final sampling or liner inspection occur	08/27/2024	
On what date will (or was) the remediation complete(d)	08/27/2024	
What is the estimated surface area (in square feet) that will be reclaimed	0	
What is the estimated volume (in cubic yards) that will be reclaimed	0	
What is the estimated surface area (in square feet) that will be remediated	15039	
What is the estimated volume (in cubic yards) that will be remediated	30	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Action 383463

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

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QUESTIONS (continued)		
Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	383463	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

#### QUESTIONS

Remediation Plan (continued)

his remediation will (or is expected to) utilize the following processes to remediate	
(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.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360 Hobbs NM
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
er Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef hich includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM
report and/or file certain release notifications and perform corrective actions for relea	nowledge and understand that pursuant to OCD rules and regulations all operators are require uses which may endanger public health or the environment. The acceptance of a C-141 report to idequately investigate and remediate contamination that pose a threat to groundwater, surface

local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/13/2024

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

<b>QUESTIONS</b> (continued	)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	383463
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.		
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο	

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

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**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	383463
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	375581
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2024
What was the (estimated) number of samples that were to be gathered	71
What was the sampling surface area in square feet	15039

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	15039	
What was the total volume (cubic yards) remediated	30	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	N/A	
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.		
	Name: Jason Touchet	

I hereby agree and sign off to the above statement	Name: Jason Touchet
	Title: EHS Field Rep
	Email: jason.touchet@matadorresources.com
	Date: 09/13/2024

General Information Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	383463
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

QUESTIONS

 Reclamation Report

 Only answer the questions in this group if all reclamation steps have been completed.

 Requesting a reclamation approval with this submission

 No

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

Operator:	OGRID:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDIT	CONDITIONS			
Created By	Condition	Condition Date		
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	11/18/2024		

CONDITIONS

CONDITIONS

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