E N S O L U M

December 2, 2024

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

Re: Deferral Request Report Charlie Sweeney Fed TB Incident Number nAPP2425041943 Eddy County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request Report (DRR)* to document excavation and soil sampling activities at the Charlie Sweeney Fed Tank Battery (TB; Site). The purpose of the Site assessment and soil sampling activities was to address impacts to soil following a release of produced water at the Site. Based on the excavation activities and analytical results from the soil sampling events, Matador is submitting this *DRR*, describing remediation and confirmation sampling activities that have been completed and requesting deferral for final remediation of Incident Number nAPP2425041943 until the major reconstruction or the well is plugged and abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 31, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.2553575°, -104.1199707°) and is associated with oil and gas exploration and production operations on private land.

On September 06, 2024, a failure on a dump line on a heater treater resulted in the release of approximately 11 barrels (bbls) of produced water on pad. A vacuum truck was dispatched to the Site upon discovery of the release, and 2 bbls of produced water were recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via the NMOCD Portal on September 06, 2024, and the release was assigned Incident Number nAPP2425041943.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 04037 POD 1, with a depth to water measurement of 60 feet below ground surface (bgs); the groundwater well is located approximately 0.54 miles northwest of the Site. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well log and record is included in Appendix A.

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The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 833 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 in a designated high potential karst zone. Potential 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 mg/kg
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

NMOCD approved a background chloride concentration limit, via email on September 24, 2024, of 1,328 mg/kg for confirmation soil samples collected at a depth of 3 feet bgs at the Site.

SITE ASSESSMENT ACTIVITIES

Between September 12, 2024, and September 20, 2024, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Soil samples SS01 through SS09 were collected at ground surface and 1-foot bgs to assess the lateral extent of the release area. On September 20, 2024, four boreholes (BH01 through BH04) were advanced via backhoe within the release extent to assess the vertical extent of impacted soil. Borehole BH01 was advanced to a depth of 2 feet bgs, borehole BH02 was advanced to a depth of 7 feet bgs, borehole BH03 was advanced to a depth of 8 feet bgs, and borehole BH04 was advanced to a depth of 1-foot bgs. All soil samples were field screened for TPH utilizing a PetroFLAG[®] soil analyzer system and for chloride utilizing Hach[®] chloride QuanTab[®] test strips. The release extent and delineation 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 B. A photographic log documenting delineation soil sampling activities is included in Appendix C.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated all COC concentrations were in compliance with the strictest Closure Criteria per NMOCD Table I in delineation soil samples (denoted as SS). Lateral delineation soil sample SS03 and SS07 were recollected, and COC concentrations were below the strictest Closure Criteria for soil samples SS03, SS04, SS07 and SS08 at ground surface.

Laboratory analytical results indicated that the soil sample collected from the ground surface at BH01 contained elevated TPH and chloride concentrations. Chloride concentrations also exceeded the

Charlie Sweeney Fed TB

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established background chloride concentration in BH01 at 1-foot bgs and at the ground surface at BH01, BH03, and BH04. There was one additional elevated chloride sample at 8 feet bgs in BH03. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix D.

EXCAVATION SOIL SAMPLING ACTIVITIES

Beginning on October 21, 2024, Ensolum personnel were onsite to oversee the excavation and removal of impacted soil at the Site. Excavation activities were performed using a hydro-vacuum, tracked excavator, backhoe, hand tools, and transport vehicles. The excavation occurred on-pad within the mapped release extent. To direct excavation activities, soil was screened for chloride utilizing Hach[®] chloride QuanTab[®] test strips and Mohr Method titration. Ensolum personnel collected two additional lateral delineation soil samples, SS10 and SS11, at ground surface and advanced borehole BH03 to a depth of 9 feet bgs via tracked excavator. An additional pothole (PH01) was advanced to a depth of 8 feet bgs.

The excavation depth ranged from 0.5 feet to 8 feet in depth. Following removal of impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the floor of the excavation and every 200 feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation sidewall soil samples (SW01 through SW08) were collected at depths ranging from the ground surface to 8 feet bgs. The excavation extent and excavation soil sample locations are presented on Figure 3.

The Site excavation area measured approximately 3,682 square feet. A total of approximately 600 cubic yards of soil was removed. The soil was transported and properly disposed of at the R360 Red Bluff Facility in Orla, Texas.

LABORATORY ANALYTICAL RESULTS

The additional vertical delineation samples (PH01 samples and BH01 from 9 feet bgs) were in compliance with the background chloride concentration. Laboratory analytical results for excavation floor samples and excavation sidewall samples were all in compliance with the Site Closure Criteria for TPH and the established background chloride concentration, with the exception of confirmation floor samples FS07 and FS08 collected at ground surface. Laboratory analytical results for confirmation sidewall soil samples were in compliance with the established background concentration, with the exception of SW05 collected from ground surface to 5 feet bgs and SW07 collected at a depth ranging from ground surface to 4 feet bgs. Laboratory analytical results are summarized in Tables 2 and 3 and laboratory analytical reports are included as Appendix D.

DEFERRAL REQUEST

Matador has removed the bulk of the impacted soil and is requesting deferral of final remediation due to the presence of active production equipment (heater treater, pipe rack, and vapor recovery tower), which prevents the full excavation of impacted soil in confirmation sample locations FS07, FS08, SW05, and SW07. The estimated area of remaining impacted soil measures approximately 1,447 square feet, assuming a depth of up to 4 feet bgs based the approved sampling variance of 1,328 mg/kg at 3 ft bgs and based on the sample results at 2 ft bgs in borehole BH01 and surrounding confirmation samples FS01, FS02 FS04, FS05, FS06, FS09 and FS10 at depths of 3 through 5 feet bgs, a total of approximately 214 cubic yards of impacted soil remains in place. The deferral area and delineation soil samples are depicted on Figure 4.

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Impacted soil is limited to the area around active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally defined by delineation soil samples (SS01 through SS12) at ground surface and vertically defined by borehole samples (BH01 at 2 feet bgs, BH03 at 9 feet bgs, BH04 at 1-foot bgs, and by pothole PH01 at 8 feet bgs).

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be 60 feet bgs, and all accessible impacted soil was removed to the Maximum Extent Possible (MEP) during excavation activities. Matador requests deferral of final remediation for Incident Number nAPP2425041943 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely, **Ensolum, LLC**

Ashley Giovengo Senior Scientist

Q.

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 Confirmation Soil Sample Locations
- Figure 4 Area of Requested Deferral
- Table 1Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2
 Soil Sample Analytical Results (Confirmation Floor Soil Samples)
- Table 3Soil Sample Analytical Results (Confirmation Sidewall Soil Samples)
- Appendix A Well Log and Record
- Appendix B Lithologic Soil Sampling Logs
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix E NMOCD Correspondence



FIGURES

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Received by OCD: 12/2/2024 2:27:50 PM



Released to Imaging: 12/30/2024 10:11:10 AM



TABLES

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	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Charlie Sweeney Fed Tank Battery Matador Production Company Eddy County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	1,328*			
Delineation Soil Samples													
SS01	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100			
SS01	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	436			
SS02	11/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	293			
SS02	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	218			
SS03	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.6			
SS03^	9/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112			
SS04	9/202024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	146			
SS05	11/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157			
SS05	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	309			
SS06	11/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86.4			
SS06	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	218			
SS07	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.3			
SS07^	9/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.6			
SS08	9/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	211			
SS09	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100			
SS10	10/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	450			
SS11	10/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	259			
SS12	10/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	513			
BH01	9/20/2024	0	<0.0250	<0.0250	<20.0	250	179	250	429	5,770			
BH01	9/20/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	5,230			
BH01	9/20/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	343			

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.

* Naturally occuring chloride level approved by NMOCD

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

^: Duplicate sample

	TABLE 1 - CONT'D SOIL SAMPLE ANALYTICAL RESULTS Charlie Sweeney Fed Tank Battery Matador Production Company Eddy County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	1,328*				
		<u>_</u>		Delin	eation Soil San	nples	1	•		I				
BH02	9/20/2024	0	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	6,950				
BH02	9/20/2024	2	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	768				
BH02	9/20/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	694				
BH02	9/20/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	818				
BH02	9/20/2024	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	826				
BH03	9/20/2024	0	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	8,050				
BH03	9/20/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	683				
BH03	9/20/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	553				
BH03	9/20/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	918				
BH03	9/20/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,370				
BH03	10/23/2024	9	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200				
BH04	9/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	8,330				
BH04	9/20/2024	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0				
BH04	9/20/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	87.4				
PH01	10/23/2024	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	816				
PH01	10/23/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200				

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

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TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS Charlie Sweeney Fed Tank Battery Matador Production Company Eddy County, New Mexico												
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NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	1,328*		
				Excavat	ion Floor Soil S	Samples						
FS01	10/21/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	357		
FS02	10/21/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	286		
FS03	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	406		
FS04	10/23/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	597		
FS05	10/23/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,230		
FS06	10/23/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	854		
FS07	10/21/2024	0	<0.0250	<0.0500	<20.0	123	190	123	313	33,500		
FS08	10/21/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,460		
FS09	10/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,190		
FS10	10/23/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060		
FS11	11/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
FS12	10/23/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	842		
FS13	10/23/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	730		
FS14	11/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
FS15	10/23/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	960		
FS16	10/23/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	479		
FS17	10/22/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	846		
FS18	10/23/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	547		
FS19	10/22/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	280		
FS20	10/23/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	944		

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* Naturally occuring chloride level approved by NMOCD

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TABLE 2 - CONT'D SOIL SAMPLE ANALYTICAL RESULTS Charlie Sweeney Fed Tank Battery Matador Production Company Eddy County, New Mexico														
Sample DesignationDepth (feet bgs)Benzene (mg/kg)Total BTEX (mg/kg)TPH GRO (mg/kg)TPH DRO (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 NE 100 1,328*													
Excavation Floor Soil Samples														
FS21	10/22/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	701				
FS22 10/21/2024 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 31.3										31.3				
FS23 10/23/2024 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 312														

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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	IMOCD Table I Closure Criteria (NMAC 19.15.29) 10 50 NE NE NE NE 100 1,328*													
	Sidewall Soil Samples													
SW01	10/23/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	929				
SW02	10/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	693				
SW03	10/23/2024	0-3	<0.0250	<0.0500	<20.0	40.5	53.1	40.5	93.6	440				
SW04	10/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,030				
SW05	10/23/2024	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,530				
SW06	10/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,190				
SW07	10/22/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,330				
SW08	10/23/2024	3-8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,130				

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APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

PANEL ENGLANDER (* 1977) POSTEL, EEN MENICO

2017 ANE 28 AN 10:47

N	OSE POD NO. C-4037	(WELL NO.)	WELL TAG ID NO.	i	OSE FILE NO(3).	, tox offerig to a commun	
LOCATION	WELL OWNE Sendero Ca		dstream LLC			PHONE (OPTIC	ONAL)		
AND WELL LO	WELL OWNE 16430 Park			<u></u>		CITY Houston	· · · · · · · · · · · · · · · · · · ·	state TX 77084	ZIP
	WELL			GREES MINUTES SECO		* ACCIRACY	REQUIRED: ONE TENT	TH OF A SECOND	
GENERAL	LOCATION (FROM GPS	5)	TTUDE <u>32</u> IGITUDE <u>104</u>		5. / N . 8 W		QUIRED: WGS 84		
1. GEI				STREET ADDRESS AND COMMON LANDM inery. Location is close to the north			WNSHJIP, RANGE) WH	ERE AVAILABLE	
	LICENSE NO. WD-1		NAME OF LICENSED	DRILLER Clinton E. Taylor		·····	NAME OF WELL DRI Taylor	ILLING COMPANY Water Well Service	
	DRILLING ST 7/17/2	ARTED	DRILLING ENDED 7/18/2017	DEPTH OF COMPLETED WELL (FT) 98.5	1	le depth (ft) 100	DEPTH WATER FIRS	ST ENCOUNTERED (FT) 60)
	COMPLETED			C DRY HOLE I SHALLOW (UNC	ONFINED)	· · · ·	STATIC WATER LEV	TEL IN COMPLETED WE 34	ELL (FT)
VOIT	DRILLING FL	UID:	AIR	MUD ADDITIVES – SPE	CIFY:		I		
DRM	DRILLING M	ETTIOD:	ROTARY		🗌 отне	R - SPECIFY:			
CASING INFORMATION	DEPTH (FROM	fect bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	ASING NECTION YPE ling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
¢ CA	+1.5	58.5	8 1/2	PVC		pline	4 1/2 SDR 17		
NG	58.5	98.5	8 1/2	PVC	S	pline	4 1/2	SDR 17	.032
DRILLING &				·					
2. DI									
	-								
		· · · · · · · · · ·							
								<u> </u>	1 . :
÷	DEPTH (BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MA GRAVEL PACK SIZE-RANG			AMOUNT (cubic feet)	METHO	
ERIA	FROM 0		8 1/2	20% Bentonite G			3 Sacks	Tren	
ANNULAR MATERIAL	20	98,5	8 1/2	3/8" Pea Grav	el		2 Yards	Dun	ıp
AR I						·····			
INN							• ••••••••••••••••••••••••••••••••••••		
3. Al						·····			
					<u> </u>				
FOR	OSE INTERI	MAT TISE				WR-20	0 WELL RECORD &	Version 06/3	(0/17)

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (VE	asion 00/30/17)
FILE NO. C-4037	POD NO.	TRN NO. 604779	
LOCATION Drink Sanit	235.28E.31.234	WELL TAG ID NO.	PAGE 1 OF 2
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		al an	1	1						. 19. a. 19. 192	
	DEPTH (: FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WATE	ID TYPE OF MATERIAL ER-BEARING CAVITIES oplemental sheets to fully	OR FRA	CTURE ZONE	S		TER RING? / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	5	5	CI	ay: rd,sme stringers of wh	anhydrit	2		Y	🖌 N	
	5	32	27	Anhydrite	rstd,rd,cir,swht,fn xln-dn:	s,sme rd s	silt stone		Y	🖌 N	
	32	52	20		Clay:rd,smth,stky in	prt			Y	🖌 N	
	52	60	8		Clay:rd brn,sndy,slt	у			Y	∕ N	
	60	82	22	Clay:rd,brn,s	slty,thin layers of frstd wht	anhydrite	,sme water		✔ Y	N	· · ·
, L	82	100	18	Clay:rd brn,s	me rd siltstone,sme thin la	yers of w	nt anhydrite		✔ Y	N	8.00
WEI								• •	Ŷ	N	· · · · · · · · · · · ·
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4. HYDROGEOLOGIC LOG OF WELL									Y	N	
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	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:			TOTA	AL ESTIN	AATED	
	PUM		R LIFT	BAILER TOT	HER - SPECIFY:			WEL	L YIELD) (gpm):	8.00
NO	WELL TES		RESULTS - ATT.	ACH A COPY OF DAT	A COLLECTED DURING	G WELL ND DRA	TESTING, INC. WDOWN OV	CLUDII ER THI	NG DISC E TESTIN	HARGE I IG PERIC	METHOD, DD.
TEST; RIG SUPERVISION	MISCELLA	NEOUS INF	ORMATION: W	ater quality is about 3	000 parts per million of	total dis	olved solids.		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
L, R											
TES	PRINT NAM	IE(S) OF DE	ULL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERV	ISION C	F WELL CON	STRU	CTION O	THER TH	IAN LICENSEE:
'n											
SIGNATURE	CORRECT F	LECORD OF	THE ABOVE D	DESCRIBED HOLE AN	EST OF HIS OR HER KN ID THAT HE OR SHE WI PLETION OF WELL DRI	LL FILE	GE AND BEL THIS WELL I	IEF, TI RECOR	HE FORE	GOING I THE STA	S A TRUE AND ATE ENGINEER
6. SIGN/	(CE Taylor				8/23	/2017	
		SIGNATU	JRE OF DRILLE	R / PRINT SIGNEE	NAME					DATE	
FOP	OSE INTERI	JAT TICE									
	E NO.	TAL UBE	<u></u>		POD NO.	·····	TRN NO.		JUKD &		rsion 06/30/2017)
LOC	CATION				<u> </u>	WELL	. TAG ID NO.			·····	PAGE 2 OF 2



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 604776 File Nbr: C 04037 Well File Nbr: C 04037 POD1

Sep. 01, 2017

SAM HEFFINGTON TRAILHEAD ENGINEERING 16430 PARK TEN PLACE SUITE 675 HOUSTON, TX 77084

Greetings:

The well driller's record for the above numbered well has been received in this office indicating your well has been completed.

Your permit was granted with the condition that a meter(s) be installed and meter readings submitted to this office.

Per Condition 5B, please advise this office within 30 days, on the attached form, of the make, model, serial number, date of installation, and initial reading of the meter(s) prior to appropriation of the water.

If you have any questions, please feel free to contact us.

Sincerely, endul

Ýolanda Mendiola (575)622-6521

Enclosure

wellcon5



APPENDIX B

Lithologic Soil Sampling Logs

Released to Imaging: 12/30/2024 10:11:10 AM

ENSOLUM Site Name: Charlie Sweeney Fed TB Incident Number: nAPP2425041943 Job Number: 03A2270059 LITHOLOGIC / SOIL SAMPLING LOG Logged by: Charl Hamilton Method: Hand Auger Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test Petromed with 14 dilution factor of soil to distilled water. No correction factors included. M age (m) M BH01 0 0 Chlips Caliche Pad - White to medium brown, coarse to fine grave. M >3,74227 N BH01 0 0 Chlips Caliche Pad - White to medium brown, coarse to fine grave. M >3,7427 N BH01 1 1 1 Caliche Pad - White to medium brown, very fine to coarse Non-Uniform, Sharp M >3,7427 N BH01 2 2 CCHE Caliche - White to medium brown, very fine to coarse Non-Uniform, Sharp M >3,7427 N BH01 2 2 CCHE Caliche - White to medium brown, very fine to coarse Non-Uniform, Sharp Non-Uniform M >3,7427 N BH01 1 1 1 1 1 1 1 1 1<									Sample Name: BH01	Date: 9/18/2024
Job Number: 03A2270059 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Chad Hamilton Method: Hand Auger Coordinates: 32.255341, -104.119946 Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. With the Diameter: 3" Total Depth: 4' Conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. With the Diameter: 3" Lithologic Descriptions M Y BH01 D D D CHE Caliche Pad - White to medium brown, coarse to fine grawith small to large gravel, Moist, Non-Plastic, Noncohess Non-Uniform, Sharp M >3,7427 N BH01 1 1 Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, I D 459 N BH01 3 3 CHE Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, I					6					
Job Number: 03A2270059 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Chad Hamilton Method: Hand Auger Coordinates: 32.255341, -104.119946 Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. With the dilution factor of soil to distilled water. No correction factors included. Miggin diagonal Qin diagonal Qin diagonal Control of the dilution factor of soil to distilled water. No correction factors included. Itithologic Descriptions Miggin diagonal Qin diagonal Qin diagonal Control of the dilution factor of soil to distilled water. No correction factors included. Itithologic Descriptions Miggin diagonal Control of the diagonal Control of the diagonal Itithologic Descriptions Miggin diagonal Control of the diagonal Miggin diagonal Control of the diagonal Miggin diggin diagonal Control of the diagonal<					3 (. U			
Coordinates: 32.255341, -104.119946 Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. and test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Lithologic Descriptions and test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. and test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Depth (ft bgs) Depth (ft bgs) Depth (ft bgs) Depth (ft bgs) Comments: Sign for the second science of the second s										
Coordinates: 32.255341, -104.119946 Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. and test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Lithologic Descriptions and test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. and test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Depth (ft bgs) Collector formed with small to large gravel, Moist, Non-Plastic, Noncohestor, Non-Plastic, Noncohestor, Non-Plastic, Noncohestor, Non-Plastic, Noncohestor, Thickly Bedded, More formed with small to large gravel, Moist, Non-Plastic, Noncohestor, Thickly Bedded, More formed with small formed performed performed performed with small formed performed peri		LI	THOLO	GIC /	SOIL SA	MPLING L	.OG		Logged By: Chad Hamilton	Method: Hand Auger
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M Y BH01 0 0 M >3,7427 Y BH01 0.5 0.5 CCHE Caliche Pad - White to medium brown, coarse to fine gra with small to large gravel, Moist, Non-Plastic, Noncohes Non-Uniform, Sharp M >3,7427 N BH01 1 1 D 459 41 N BH01 2 2 CCHE CH Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, N D 459 N BH01 3 3										ctively. Chloride test
M >3,7427 Y BH01 0.5 0.5 CCHE Caliche Pad - White to medium brown, coarse to fine gra with small to large gravel, Moist, Non-Plastic, Noncohes Non-Uniform, Sharp M >3,7427 N BH01 1 1 1 Caliche Pad - White to medium brown, coarse to fine gra with small to large gravel, Moist, Non-Plastic, Noncohes D 459 41 N BH01 2 2 CHE Caliche - White to medium brown, very fine to coarse D 459 N BH01 3 3 3 CHE Caliche - White to medium brown, very fine to coarse		Chloride (ppm)	TPH (ppm)	Staining		Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
M >3,7427 Y BH01 0.5 CCHE with small to large gravel, Moist, Non-Plastic, Noncohes Non-Uniform, Sharp M >3,7427 N BH01 1 1 1 1 D 459 41 N BH01 2 2 2 CCHE Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, Number D 459 N BH01 3 3 3	Μ			Y	BH01	0	0		Caliche Pad - White to medium bi	rown, coarse to fine grained
M >3,7427 N BH01 1 1 Non-Uniform, Sharp D 459 41 N BH01 2 2 Caliche - White to medium brown, very fine to coarse D 459 41 N BH01 2 2 CHE Caliche - White to medium brown, very fine to coarse D 459 N BH01 3 3 0 CHE	М	>3,7427		Y	BH01	0.5	0.5	CCHE		-
D 459 41 N BH01 2 2 Caliche - White to medium brown, very fine to coarse D 459 41 N BH01 2 2 CCHE Caliche - White to medium brown, very fine to coarse D 459 N BH01 3 3 CCHE Caliche - White to medium brown, very fine to coarse	Ν.4			N	BU01	1	1		Non-Uniform	, Sharp
D 459 41 N BH01 2 2 CCHE grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, I D 459 N BH01 3 3 3 Uniform	171	~3,/4Z/		IN	PUOT	± _				
	D	459	41	N	BH01	2	2	CCHE	grained, Dry, Non-Plastic, Noncoh	esive, Thickly Bedded, Non-
	Р	150		N	ВНО1	2	2			
		433				3	Total Dep	th @ 3 f	t bgs.	

								Sample Name: BH02	Date: 9/18/2024
			N	C		LU	RA	Site Name: Charlie Swweney Fed	TB
				3				Incident Number: nAPP24250419	43
								Job Number: 03A2270059	
		LITHOL	.OGI	C / SOIL S	SAMPLING	G LOG		Logged By: Chad Hamilton	Method: Hand Auger
Coord	inates: 32	2.255259), -104	.119908				Hole Diameter: 3"	Total Depth: 7'
								PetroFLAG for chloride and TPH, r factors included.	espectively. Chloride test
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
М			Y	BH02	0	0		Caliche Pad - White to medium b	rown, coarso to fino grained
D	ND		Ν	BH02	0.5	_	CCHE	with small to large gravel, Moist	
								Non-Uniforn	
D	930		Ν	BH02	1 _	_ 1			
D	851		N	BH02	2	2			
D	706		N	BH02	3	- - 3 -			
D	778		N	BH02	4	4	CCHE	Caliche - White to medium brown Dry, Non-Plastic, Noncohesive, T Auger Refusal (hickly Bedded, Non-Uniform
D	851		N	BH02	5	5			
D	1,014		N	BH02	6	- - 6 -			
D	1,014		N	BH02	7	- 7			
	1,014		IN	DIIUZ	/	/ Total De	epth @ 7	7 ft bgs.	

								Sample Name: BH03	Date: 9/18/2024
				C				Site Name: Charlie Swweney Fed T	
				3		LU		Incident Number: nAPP242504194	
								Job Number: 03A2270059	
		LITHOL	OGI		SAMPLING	GLOG		Logged By: Chad Hamilton	Method: Hand Auger
Coord		2.255126		-				Hole Diameter: 3"	Total Depth: 9'
Comm	ents: Fie	ld screen	ing co	onducted v				PetroFLAG for chloride and TPH, re factors included.	espectively. Chloride test
perior	incu witi	1 1.4 ana			ii to distilicu	water. No c	1		
Moisture Content	Chloride (ppm)	(mqq) H9T	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
Μ			Y	BH03	0	0		Caliche Pad - White to medium br	own, coarse to fine grained
D	2,262		Ν	BH03	0.5	-	CCHE	with small to large gravel, Moist,	Non-Plastic, Noncohesive,
D	169		Ν	BH03	1 _	Non-Uniform	, Snarp		
D	851		N	BH03	2	2			
D	851		N	BH03	3	3			
D	1,193		Ν	BH03	4	4			
D	1,294		N	BH03	5	5	CCHE	Caliche - White to medium brown, Dry, Non-Plastic, Noncohesive, Th	-
D	1,103		N	BH03	6	6			
D	1,495		N	BH03	7	7			
D	1,607		N	BH03	8	8			
D			N	BH03	9	- 9	GYP	Gypsum i	rock
						Iota	l Depth	= 9'	

								Sample Name: BH04	Date: 9/18/2024
			N	C		LU	R/	Site Name: Charlie Swweney Fe	d TB
								Incident Number: nAPP2425041	1943
								Job Number: 03A2270059	
		LITHOL	.OGI	C / SOIL S	SAMPLING	G LOG		Logged By: Chad Hamilton	Method: Hand Auger
	inates: 32							Hole Diameter: 3"	Total Depth: 4'
			-					PetroFLAG for chloride and vapo factors included.	or, respectively. Chloride test
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions
М			Y	BH04	0	0			
м	ND		Ν	BH04	0.5	0.5		Caliche Pad - White to medium	-
		10				Γ	CCHE	with small to large gravel, Moi	
М	ND	18	Ν	BH04	1 _	1		Non-Unifo	rm, Snarp
D	263		N	BH04	2	2	SP-SM	Top Soil - Silty Sand, Light to n grained, Dry, Non-Plastic, Nonc Uniform	cohesive, Thickly Bedded, Non-
D	ND		Ν	BH04	3	3			
					-	-	CCHE	Caliche - White to medium brow Dry, Non-Plastic, Noncohesive,	
D	ND		Ν	BH04	4	4		,	- · · ·
						Total De	epth @ 4	l ft bgs.	
\checkmark									



APPENDIX C

Photographic Log

Released to Imaging: 12/30/2024 10:11:10 AM









Photographic Log Matador Production Company Charlie Sweeney Fed TB Incident Number: <u>nAPP2425041943</u>







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:

Charlie Sweeney Fed TB

Work Order: E409115

Job Number: 23003-0002

Received: 9/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/19/24

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: 9/19/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E409115 Date Received: 9/16/2024 7:30:00AM

Ashley Giovengo,



Page 33 of 251

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2024 7:30:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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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Received by OCD: 12/2/2024 2:27:50 PM

Received by OCD: 12/2/2024 2:27:50 PM			Page.	35 of 251
	Sample Sum	mary		
Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Demosterie	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/19/24 16:54	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E409115-01A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS03 - 0'	E409115-02A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS07 - 0'	E409115-03A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS09 - 0'	E409115-04A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.



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	~	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	rlie Sweeney)3-0002 ley Giovengo			Reported: 9/19/2024 4:54:33PM
		SS01 - 0'				
		E409115-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
oluene	ND	0.0250	1	09/16/24	09/17/24	
-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
urrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: CG			Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	zg Analyst: NV			Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		90.2 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ai	nalyst: DT		Batch: 2438012
Chloride	ND	100	5	09/16/24	09/16/24	

Sample Data



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Sample Data

	3	bample D	ลเล			
Matador Resources, LLC.	Project Name	e: Cha	rlie Sweeney Fed	TB		
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 230	03-0002			Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo			9/19/2024 4:54:33PM
		SS03 - 0'				
		E409115-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		88.0 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2438012
Chloride	62.6	20.0	1	09/16/24	09/16/24	



Sample Data

	5	ample D	ลเล			
Matador Resources, LLC.	Project Name	: Cha	rlie Sweeney Fe	d TB		
5400 LBJ Freeway, Suite 1500	Project Numb	per: 230	03-0002	Reported:		
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo		9/19/2024 4:54:33PM	
		SS07 - 0'				
		E409115-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		87.0 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2438012
Chloride	64.3	20.0	1	09/16/24	09/16/24	



Sample Data

	2	bample D	ลเล			
Matador Resources, LLC.	Project Name	e: Cha	rlie Sweeney Fed	TB		
5400 LBJ Freeway, Suite 1500	Project Numl	ber: 230	03-0002			Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			9/19/2024 4:54:33PM
		SS09 - 0'				
		E409115-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		98.8 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2438012
Chloride	ND	100	5	09/16/24	09/16/24	



QC Summary Data

Matador Resources, LLC.			Cl	arlie Sweene	v Ead TD				
		Project Name:			y red I D				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		003-0002					
Dallas TX, 75240		Project Manager:	As	shley Gioveng	go				9/19/2024 4:54:33PM
		Volatile Or	ganics b	y EPA 802	21B				Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438007-BLK1)							Prepared: 0	9/16/24 A	analyzed: 09/17/24
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: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			
LCS (2438007-BS1)							Prepared: 0	9/16/24 A	analyzed: 09/17/24
Benzene	5.59	0.0250	5.00		112	70-130			
Ethylbenzene	5.39	0.0250	5.00		108	70-130			
Toluene	5.51	0.0250	5.00		110	70-130			
p-Xylene	5.37	0.0250	5.00		107	70-130			
o,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			
Matrix Spike (2438007-MS1)				Source:	E409116-0	7	Prepared: 0	9/16/24 A	analyzed: 09/17/24
Benzene	5.57	0.0250	5.00	ND	111	54-133			
Ethylbenzene	5.37	0.0250	5.00	ND	107	61-133			
Toluene	5.49	0.0250	5.00	ND	110	61-130			
o-Xylene	5.36	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			
Matrix Spike Dup (2438007-MSD1)				Source:	E409116-0	7	Prepared: 0	9/16/24 A	analyzed: 09/17/24
Benzene	5.19	0.0250	5.00	ND	104	54-133	7.13	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	6.70	20	
Toluene	5.11	0.0250	5.00	ND	102	61-130	7.12	20	
p-Xylene	5.01	0.0250	5.00	ND	100	63-131	6.79	20	
N 1	10.2	0.0500	10.0	ND	102	63-131	6.67	20	
o,m-Xylene									



QC Summary Data

		QU N	u	ary Date	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Charlie Sweeney 3003-0002 Ashley Gioveng	, ,				Reported: 9/19/2024 4:54:33PM
Dallas IX, 75240	NT.			,		DO			71772024 4.54.551 Wi
	INOI	nhalogenated C	organics	by EPA 801	15D - GI	KÜ			Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438007-BLK1)							Prepared: 0	9/16/24 A	nalyzed: 09/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
LCS (2438007-BS2)							Prepared: 0	9/16/24 A	nalyzed: 09/17/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			
Matrix Spike (2438007-MS2)				Source:	E409116-0	07	Prepared: 0	9/16/24 A	nalyzed: 09/17/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			
Matrix Spike Dup (2438007-MSD2)				Source:	E409116-	07	Prepared: 0	9/16/24 A	nalyzed: 09/18/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.3	70-130	1.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Charlie Sweeney 23003-0002					Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				9/19/2024 4:54:33PM
	Nonh	alogenated Org	anics b	y EPA 8015D) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437110-BLK1)							Prepared: 0	9/14/24 A	nalyzed: 09/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.7	50-200			
LCS (2437110-BS1)							Prepared: 0	9/14/24 A	nalyzed: 09/16/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.8	38-132			
Surrogate: n-Nonane	49.3		50.0		98.7	50-200			
Matrix Spike (2437110-MS1)				Source:	E409116-	02	Prepared: 0	9/14/24 A	nalyzed: 09/16/24
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.5	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			
Matrix Spike Dup (2437110-MSD1)				Source:	E409116-	02	Prepared: 0	9/14/24 A	nalyzed: 09/16/24
Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.8	38-132	0.707	20	
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			



QC Summary Data

		<u> </u>		v					
Matador Resources, LLC.		Project Name:	C	harlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	3003-0002					
Dallas TX, 75240		Project Manager:	А	shley Gioveng	go				9/19/2024 4:54:33PM
		Anions	by EPA (300.0/9056 A	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438012-BLK1)							Prepared: 0	9/16/24 A	analyzed: 09/16/24
Chloride	ND	20.0							
LCS (2438012-BS1)							Prepared: 0	9/16/24 A	analyzed: 09/16/24
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2438012-MS1)				Source:	E409109-0	05	Prepared: 0	9/16/24 A	analyzed: 09/16/24
Chloride	368	20.0	250	105	105	80-120			
Matrix Spike Dup (2438012-MSD1)				Source:	E409109-(05	Prepared: 0	9/16/24 A	analyzed: 09/16/24
Chloride	365	20.0	250	105	104	80-120	0.894	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/19/24 16:54

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

						Cha	in of Cust	ody												Page
	Clie	nt Inform	ation			Invoice Informa	tion			L	ab Us	se Or	nly				TAT			State
Client: N	latador Proc	luction Co	ompany			Company: Ensolum LLC	_		Lab WO# E409115 2300 3.0002							1D	2D 3	D Std	1 1	NM CO UT TX
Project: (charlie S.	veeney	FEDT	B		Address: 3122 National Par	ks Hwy		E40	911	5	23	003	$s \cdot \alpha$	Sa					\times
	lanager: As					City, State, Zip: Carlsbad NM	/, 88220													
	3122 Natio					Phone: 575-988-0055		—	_ Analysis and					and	Met	hod				EPA Program
	e, Zip: Carls		88220			Email: agiovengo@ensolu	m.com												SDV	VA CWA RCRA
	575-988-005 giovengo@e					Miscellaneous:													Com	pliance Y or N
		iisoiuiii.c							8015	8015						<u>s</u>			PWS	
				Sam	ole Infor	mation			- A	6	8021	3260	300	Ň	5 • TX	Vieta				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field Filter	Lal Num	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
0:33	9/12/24	Soil	1	5	501	-0^{2} $3-0^{2}$ $7-0^{2}$ $29-0^{2}$		1						χ						
9:52				4	<u>6503</u>	3- 0`		2						X						
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2:12				G	550	pq - 0		4						X						
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ddition	al Instructio	ons: Plea	ase CC: ct	urton@e	nsolum.	.com, agiovengo@ensolum.co	m, iestrella] @ensc	olum.co	 om, b	deal	ens @	 iolum	n.con	1, ch	 amilt	ion@e	nsolun	n.com	
simmo	ns@ensolun	n.com	l a sha a si a la s	of this second		vare that tampering with or intentionally n	iclobaling the co	male les	ation dat		ma of a		n is so	ncidare	dfrau	d and	may be d		- local :	action
	Shed tiamilten (immons			$\langle \alpha \rangle$		apre ioc												
<u> </u>	ed by: (Signatu		Date C	/13/24	12 h	Received ox: (Signature)	Date G.	132			R	,			ed or re	ceived				ceived on ice the day they are bove 0 but less than 6 °C on
telinguish	etty: (Signate	e)	g.	17.24		Received by: (Signature)	Daté Ot	-13.2	v The			1		Reco			ce:			ly
letinguish	ed by: (Signatu	re)	Date Qu	311	Time 240	Received by (Signature)	~ Date	10.2	4 7	:3	Û]		T1			т	2		<u>T3</u>
lelinquish	ed by: (Signatu	re)	Date		Time	Received by: (Signature)	Date	<u>v</u> .v	Tim	e		1		AVG	Ten	np °C	4			
	rix: S - Soil, Sd - S								Type: g					c, ag	- aml	ber gl	ass, V -			
						s other arrangements are made. Haza ry with this COC. The liability of the la									e clier	nt exp	ense. Th	e report	t for th	e analysis of the above
samples is	applicable only	y to those s	amples reco	eived by the	aborator	ry with this COC. The liability of the la	Doratory is lim	tea to	ine amoi	unt pa			e repoi	π						rote

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Matador Resources, LLC. Da	te Received:	09/16/24 0	7:30	Work Order ID:	E409115
Phone:	(972) 371-5200 Da	te Logged In:	09/13/24 1	5:42	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com Du	e Date:	09/20/24 1	7:00 (4 day TAT)		
<u>Chain o</u>	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	analyses?	Yes			
5. Were	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 '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
<u>Sample</u>	<u>Cooler</u>					
	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample tem	perature: <u>4°</u>	<u>c</u>			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
15. Are `	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	<u>ibel</u>					
	e field sample labels filled out with the minimum inform	ation:	**			
5	Sample ID?		Yes			
т	Date/Time Collected? Collectors name?		Yes No			
	CONCERNING INTERNET		IND			
(Preservation					
(<u>Sample</u>	<u>Preservation</u> s the COC or field labels indicate the samples were prese	rved?	No			
(<u>Sample</u> 21. Does	Preservation s the COC or field labels indicate the samples were prese sample(s) correctly preserved?	rved?	No NA			
(<u>Sample</u> 21. Does 22. Are s	s the COC or field labels indicate the samples were prese					
(<u>Sample</u> 21. Does 22. Are s 24. Is lat	s the COC or field labels indicate the samples were prese sample(s) correctly preserved?		NA			
(Sample 21. Does 22. Are s 24. Is lab Multiph	s the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta nase Sample Matrix		NA No			
(<u>Sample</u> 21. Does 22. Are s 24. Is lat <u>Multiph</u> 26. Does	s the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	ls?	NA			
Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If yes	s the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase?	ls?	NA No No			
Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If yes Subcont	s the COC or field labels indicate the samples were presessample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ls?	NA No No			

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



envirotech Inc.

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	ate Received:	09/16/24 07	:30	Work Order ID:	E409115
Phone:	(972) 371-5200 E	ate Logged In:	09/13/24 15	:42	Logged In By:	Noe Soto
Email:		Due Date:	09/20/24 17	':00 (4 day TAT)		
Chain of	<u>f Custody (COC)</u>					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location match	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, requeste	d analyses?	Yes			
5. Were a	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.	ne field,	Yes		Commen	ts/Resolution
Sample ?	<u> Turn Around Time (TAT)</u>					
6. Did th	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	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	С			
	Container	· · · · · ·				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample container	s collected?	Yes			
Field La						
	field sample labels filled out with the minimum inform	nation:				
S	Sample ID?		Yes			
	Date/Time Collected?		Yes	<u> </u>		
-	Collectors name?		No			
	Preservation	amiad?	N-			
	the COC or field labels indicate the samples were pres sample(s) correctly preserved?	civeu?	No NA			
	sample(s) correctly preserved?	ale?	NA No			
		413 ;	INU			
	ase Sample Matrix	1	N T			
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analyze	ea/	NA			
	ract Laboratory					
28. Are s	ract Laboratory amples required to get sent to a subcontract laboratory' a subcontract laboratory specified by the client and if so		No NA S			

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



envirotech Inc.

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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:

Charlie Sweeney Fed TB

Work Order: E409129

Job Number: 23003-0002

Received: 9/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/23/24

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: 9/23/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E409129 Date Received: 9/18/2024 5:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 5:00:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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 Sun		
Project Name:	Charlie Sweenev Fed TB	

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Charlie Sweeney Fe 23003-0002 Ashley Giovengo	ed TB	Reported: 09/23/24 15:15
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 1'	E409129-01A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
SS02 - 1'	E409129-02A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
SS05 - 1'	E409129-03A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
SS06 - 1'	E409129-04A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.



Sample Data										
Matador Resources, LLC.	Project Name:Charlie Sweeney Fed TBProject Number:23003-0002					D (1				
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Num Project Mana		ley Giovengo			Reported: 9/23/2024 3:15:50PM				
Danas 1X, 75240	Project Mana	ager: Asii	ley Glovengo			9/23/2024 3.13.30FW				
		SS01 - 1'								
		E409129-01								
		Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438047				
Benzene	ND	0.0250	1	09/18/24	09/20/24					
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24					
Toluene	ND	0.0250	1	09/18/24	09/20/24					
o-Xylene	ND	0.0250	1	09/18/24	09/20/24					
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24					
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24					
Surrogate: 4-Bromochlorobenzene-PID		86.3 %	70-130	09/18/24	09/20/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438047				
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24					
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	09/18/24	09/20/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2438040				
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24					
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24					
Surrogate: n-Nonane		107 %	50-200	09/18/24	09/20/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2438052				
Chloride	436	100	5	09/18/24	09/18/24					

Sample Data

	5	ample D	ala			
Matador Resources, LLC.	Project Name:		Charlie Sweeney Fed TB			
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numb Project Manag		03-0002 ley Giovengo			Reported: 9/23/2024 3:15:50PM
Danas I.A., 73240	FIOJECT Mailag	gei. Asii	ley Gloveligo			9/23/2024 3.13.301 W
		SS02 - 1'				
		E409129-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	/kg Analyst: CG			Batch: 2438047
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Foluene	ND	0.0250	1	09/18/24	09/20/24	
p-Xylene	ND	0.0250	1	09/18/24	09/20/24	
o,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Fotal Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		86.9 %	70-130	09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438047
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		79.5 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: WF		Batch: 2438052
Chloride	218	200	10	09/18/24	09/18/24	



Sample Data

	2	bample D	ala			
Matador Resources, LLC.	Project Name	e: Cha	rlie Sweeney Fed	TB		
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002			Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo		9/23/2024 3:15:50PM	
		SS05 - 1'				
		E409129-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438047
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
p-Xylene	ND	0.0250	1	09/18/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Fotal Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		86.8 %	70-130	09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2438047
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		91.3 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2438052
Chloride	309	20.0	1	09/18/24	09/18/24	



Sample Data

	0	ampie D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	amber: 23003-0002				Reported: 9/23/2024 3:15:50PM
		SS06 - 1'				
		E409129-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g Analyst: CG			Batch: 2438047
Benzene	ND	0.0250	1	09/18/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/20/24	
Toluene	ND	0.0250	1	09/18/24	09/20/24	
p-Xylene	ND	0.0250	1	09/18/24	09/20/24	
o,m-Xylene	ND	0.0500	1	09/18/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/20/24	
Surrogate: 4-Bromochlorobenzene-PID		87.3 %	70-130	09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438047
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		91.7 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2438052
Chloride	218	20.0	1	09/18/24	09/18/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	narlie Sweene 003-0002 shley Gioveng	-				Reported: 9/23/2024 3:15:50PM
		Volatile Or	rganics b	oy EPA 802	21B				Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438047-BLK1)							Prepared: 0	9/18/24 A	analyzed: 09/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Gurrogate: 4-Bromochlorobenzene-PID	6.82		8.00		85.3	70-130			
LCS (2438047-BS1)							Prepared: 0	9/18/24 A	analyzed: 09/20/24
Benzene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.7	70-130			
Toluene	4.71	0.0250	5.00		94.2	70-130			
-Xylene	4.61	0.0250	5.00		92.1	70-130			
,m-Xylene	9.37	0.0500	10.0		93.7	70-130			
Total Xylenes	14.0	0.0250	15.0		93.2	70-130			
urrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.5	70-130			
Matrix Spike (2438047-MS1)				Source:	E409129-0	1	Prepared: 0	9/18/24 A	analyzed: 09/20/24
Benzene	4.57	0.0250	5.00	ND	91.3	54-133			
Ethylbenzene	4.49	0.0250	5.00	ND	89.8	61-133			
oluene	4.57	0.0250	5.00	ND	91.3	61-130			
-Xylene	4.46	0.0250	5.00	ND	89.2	63-131			
,m-Xylene	9.12	0.0500	10.0	ND	91.2	63-131			
Total Xylenes	13.6	0.0250	15.0	ND	90.6	63-131			
urrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			
Matrix Spike Dup (2438047-MSD1)				Source:	E409129-0	1	Prepared: 0	9/18/24 A	analyzed: 09/20/24
Benzene	4.27	0.0250	5.00	ND	85.4	54-133	6.77	20	
Ethylbenzene	4.17	0.0250	5.00	ND	83.4	61-133	7.38	20	
Toluene	4.26	0.0250	5.00	ND	85.2	61-130	6.99	20	
-Xylene	4.16	0.0250	5.00	ND	83.1	63-131	7.05	20	
,m-Xylene	8.46	0.0500	10.0	ND	84.6	63-131	7.51	20	
Total Xylenes	12.6	0.0250	15.0	ND	84.1	63-131	7.36	20	

QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Charlie Sweeney 23003-0002	y Fed TB				Reported:
Dallas TX, 75240		Project Manager:	I	Ashley Gioveng	o				9/23/2024 3:15:50PM
	Noi	nhalogenated C	Organics	s by EPA 801	15D - G	RO			Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438047-BLK1)							Prepared: 0	9/18/24 A	nalyzed: 09/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
LCS (2438047-BS2)							Prepared: 0	9/18/24 A	analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	38.8	20.0	50.0		77.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			
Matrix Spike (2438047-MS2)				Source:	E409129-	01	Prepared: 0	9/18/24 A	analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	40.0	20.0	50.0	ND	80.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130			
Matrix Spike Dup (2438047-MSD2)				Source:	E409129-	01	Prepared: 0	9/18/24 A	analyzed: 09/20/24
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.6	70-130	3.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			



QC Summary Data

Matador Resources, LLC.		Project Name:	Cl	harlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					
Dallas TX, 75240		Project Manager	: As	shley Gioveng	go				9/23/2024 3:15:50PM
	Nonh	alogenated Org	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438040-BLK1)							Prepared: 0	9/17/24 A	Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.5	50-200			
LCS (2438040-BS1)							Prepared: 0	9/17/24 A	Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	196	25.0	250		78.3	38-132			
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			
LCS Dup (2438040-BSD1)							Prepared: 0	9/17/24 A	Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	202	25.0	250		80.7	38-132	3.03	20	
Surrogate: n-Nonane	48.1		50.0		96.2	50-200			



QC Summary Data

		•		v					
Matador Resources, LLC.		Project Name:	(Charlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	3003-0002					
Dallas TX, 75240		Project Manager:	e A	Ashley Gioveng	go				9/23/2024 3:15:50PM
		Anions	by EPA	300.0/9056	A				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 (2438052-BLK1)							Prepared: 0	9/18/24 A	nalyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438052-BS1)							Prepared: 0	9/18/24 A	nalyzed: 09/18/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2438052-MS1)				Source:	E409128-0)3	Prepared: 0	9/18/24 A	nalyzed: 09/18/24
Chloride	531	20.0	250	285	98.3	80-120			
Matrix Spike Dup (2438052-MSD1)				Source:	E409128-()3	Prepared: 0	9/18/24 A	nalyzed: 09/18/24
Chloride	622	20.0	250	285	135	80-120	15.8	20	M2

QC Summary Report Comment:

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



Page 60 of 251

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/23/24 15:15

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Page _

of

Received by OCD: 12/2/2024 2:27:50 PM

Client Information				Invoice Information				Lab Use Only						TAT			State				
		Production Company Company: Ensolum LLC Lab WO# Job Number 1D 2D 3D Sweeney FED TB Address: 3122 National Parks Hwy E Company: Ensolum LLC Lab WO# Job Number 1D 2D 3D					3D Std	td NM CO UT TX													
roject:(harlie Sw	eeney T	FED T	B	Addres	s: 3122 National P	arks Hwy		E	105	SIF	9	23	003	00.00	2		X			
and the second second	Manager: As				and the second se	ate, Zip: Carlsbad I	NM, 88220	1	-		201				22						
	3122 Natio					575-988-0055			-		_	_	Anal	lysis	and	Meth	bd			PA Progra	
	e, Zip: Carls		88220		Email:	agiovengo@ensc	lum.com		_										SDWA	CWA	RCRA
	575-988-005				Miscella	neous:															
mail: a	giovengo@e	nsolum.c	om					-		015	015								Complian	ce Y	or N
				Samplo	Information					by 8	by 8	021	60	0.00	M	XL-	etais		PWSID #	1	
Time	Date Sampled	Matrix	No. of	Jampie		ple ID	te la	Filter	Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	rceq 1005 - TX	KCKA 8 Metals			Remarks	
Sampled			Containers				ii I	王 记 Nu	umber	DR(GR(BTE	0 N	Ċ	BGI	TCE		-			
0:59	9/16/24	Soil	4	55	01-1										X.					_	
0:19				55	02-1				2						X						
1:49				66	01 - 1 02 - 1 05 - 1	`	1		3						Ý						
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ddition	al Instructio	ns: Ple	ase CC: cb	urton@enso	olum.com, agio	ovengo@ensolum.	com, iestre	ella@er	nsolun	n.con	n, bd	eal@	enso	olum	.com	, char	nilton@	ensolun	n.com,		
	ns@ensolum																	and drives			_
			dauthenticity	of this sample. I	am aware that tamp	pering with or intentionally	y mislabeling th	ne sample	location	, date	or time	e of co	lection	is con	sidere	d fraud	nd may be	grounds fo	r legal action.		
	: Bowan Simmon		Data	Tim		(Cirrent and		Data	-	Time	_	_	-		Sample	roquiri	a thormal pr	von ation m	ust be received	on ice the day	thouara
Ne	ed by: (Signatu	Te	Date 2	17/24 8	103	eived by: (Signature) lichelle Goo	- P-	9-17	1-14	D	80	3							g temp above (
elinguist	ed by: (Signatu	re)	Date	Tim	ie Rece	wed by (Signature)	0	Date	100						subsea	ient dav		Lab U	se Only		
Which	helle G	ongal	ec 9-	1724	1645 1	wed by (Signature)		9.17	.24	11	200				Rece	ived o	n ice:	(Y/ M			
	ęd by: (Signatu		Date	Tim	Rece	eived by: (Signature)		Date		Time	~~										
lan) Mos	to	9.1	17.24 2	345	idlah 17 He	20	9.18	24	OS	500				T1	-		Т2		<u>T3</u>	
elinquish	ed by: (Signatu	re)	Date	Tim	Rece	eived by: (Signature)		Date		Time											
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	trix: S - Soil, Sd - S				uploss other arran	igements are made. Ha					1000						r glass, v		for the ana	lucic of the	about
	• I							6. CH								chent	expense. I	ne report	tor the ana	iysis or the	above
amples is	applicable only	y to those s	amples rece	ived by the lab	oratory with this C	COC. The liability of the	laboratory is	i limited	to the a	moun	nt paid	for o	n the i	report	t.						
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						Ĩ	Page 14	of 15				E	-				EI	IV	rir	U	

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC) nstructions: Please take note of any NO checkmarks. f we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.								
Client:		te Received:	09/18/24		2.cu as Icyu	Work Order ID:	E409129	
Phone:	(972) 371-5200 Da	te Logged In:	09/17/24	12:25		Logged In By:	Noe Soto	
Email:		ie Date:		17:00 (4 day TAT)				
Chain o	f Custody (COC)							
	the sample ID match the COC?		Yes					
	the number of samples per sampling site location match	the COC	Yes					
	samples dropped off by client or carrier?		Yes	Carrier: Co	urier			
	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	Carrier. <u>Co</u>				
	all samples received within holding time?	···· •	Yes					
	Note: Analysis, such as pH which should be conducted in the	e field,				Common	ts/Resolution	
a 1	i.e, 15 minute hold time, are not included in this disucssion.			Г		Commen	ts/ Kcsolution	
	Turn Around Time (TAT)		Vac					
	ne COC indicate standard TAT, or Expedited TAT?		Yes					
Sample	sample cooler received?		Yes					
	, was cooler received in good condition?		Yes					
• •	he sample(s) received intact, i.e., not broken?							
	e custody/security seals present?		Yes					
	s, were custody/security seals intact?		No					
-		(0) 000	NA					
	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	ceived w/i 15	Yes					
13. If no	visible ice, record the temperature. Actual sample ten	nperature: <u>4</u> °	<u>C</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? e appropriate volume/weight or number of sample containers	collected?	Yes Yes					
Field La		conecteur	105					
	e field sample labels filled out with the minimum information of the same of t	ation						
	Sample ID?	ation.	Yes					
I	Date/Time Collected?		Yes	L				
	Collectors name?		No					
	Preservation							
	s the COC or field labels indicate the samples were prese	rved?	No					
	sample(s) correctly preserved?	1.0	NA					
	b filteration required and/or requested for dissolved meta	1S?	No					
	ase Sample Matrix							
	s the sample have more than one phase, i.e., multiphase?		No					
27. If ye	s, does the COC specify which phase(s) is to be analyzed	17	NA					
	tract Laboratory							
	samples required to get sent to a subcontract laboratory?		No					
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab:	NA			
<u>Client I</u>	Instruction							

Date

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:

Charlie Sweeney Fed TB

Work Order: E409177

Job Number: 23003-0002

Received: 9/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/30/24

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: 9/30/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E409177 Date Received: 9/20/2024 7:45:00AM

Ashley Giovengo,



Page 64 of 251

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/20/2024 7:45:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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 Dallas TX, 75240	Project Name: Project Number: Project Manager:	Charlie Sweeney F 23003-0002 Ashley Giovengo	ed TB	Reported: 09/30/24 11:30	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3H01 - 0'	E409177-01A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
3H01 - 1'	E409177-02A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
3H01 - 2'	E409177-03A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH02 - 0'	E409177-04A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH02 - 2'	E409177-05A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH02 - 4'	E409177-06A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH02 - 6'	E409177-07A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH02 - 7'	E409177-08A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
3H03 - 0'	E409177-09A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH03 - 2'	E409177-10A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
3H03 - 4'	E409177-11A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH03 - 6'	E409177-12A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
3H03 - 8'	E409177-13A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH04 - 0'	E409177-14A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
3H04 - 0.5'	E409177-15A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
3H04 - 1'	E409177-16A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.



		I I					
Matador Resources, LLC.	Project Nam	e: Cha	rlie Sweeney Fed	ТВ			
5400 LBJ Freeway, Suite 1500	Project Num	ber: 2300	03-0002			Reported:	
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			9/30/2024 11:30:46AM	
		BH01 - 0'					
		E409177-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2438147	
Benzene	ND	0.0250	1	09/20/24	09/27/24		
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24		
oluene	ND	0.0250	1	09/20/24	09/27/24		
-Xylene	ND	0.0250	1	09/20/24	09/27/24		
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24		
Total Xylenes	ND	0.0250	1	09/20/24	09/27/24		
urrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/20/24	09/27/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2438147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24		
urrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	09/20/24	09/27/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438139	
Diesel Range Organics (C10-C28)	250	25.0	1	09/20/24	09/24/24		
Dil Range Organics (C28-C36)	179	50.0	1	09/20/24	09/24/24		
urrogate: n-Nonane		97.0 %	50-200	09/20/24	09/24/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2438152	
Chloride	5770	400	20	09/20/24	09/20/24		

Sample Data



Sample Data

	50	imple D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		rlie Sweeney Fed ⁷ 03-0002	ГВ		Reported:	
Dallas TX, 75240	Project Manage	er: Ash	ley Giovengo			9/30/2024 11:30:46AM	
		BH01 - 1'					
]	E409177-02					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: BA		Batch: 2438147	
Benzene	ND	0.0250	1	09/20/24	09/27/24		
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24		
foluene	ND	0.0250	1	09/20/24	09/27/24		
p-Xylene	ND	0.0250	1	09/20/24	09/27/24		
p,m-Xylene	ND	0.0500	1	09/20/24	09/27/24		
Fotal Xylenes	ND	0.0250	1	09/20/24	09/27/24		
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	09/20/24	09/27/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: BA		Batch: 2438147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	09/20/24	09/27/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: AF		Batch: 2438139	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/24/24		
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/24/24		
Gurrogate: n-Nonane		104 %	50-200	09/20/24	09/24/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2438152	
Chloride	5230	200	10	09/20/24	09/20/24		



Sample Data

	25	ample D	ลเล			
Matador Resources, LLC.	Project Name:	Cha	rlie Sweeney Fed T	ГВ		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giovengo			9/30/2024 11:30:46AM
		BH01 - 2'				
	-	E409177-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: BA		Batch: 2438147
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
-Xylene	ND	0.0250	1	09/20/24	09/27/24	
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Fotal Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: BA		Batch: 2438147
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: AF		Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/24/24	
Surrogate: n-Nonane		104 %	50-200	09/20/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2438152
Chloride	343	200	10	09/20/24	09/20/24	



Sample Data

orted:
11:30:46AM
8147
8147
8139
8152



Sample Data

	50	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	rlie Sweeney Fed 03-0002 ley Giovengo	Reported: 9/30/2024 11:30:46AM		
		BH02 - 2'				
		E409177-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2438147
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
p-Xylene	ND	0.0250	1	09/20/24	09/27/24	
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Fotal Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2438147
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		104 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2438152
Chloride	768	200	10	09/20/24	09/20/24	


Sample Data

	25	ample D	ลเล			
Matador Resources, LLC.	Project Name:	Cha	rlie Sweeney Fed	ГВ		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			9/30/2024 11:30:46AM
		BH02 - 4'				
		E409177-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2438147
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
p-Xylene	ND	0.0250	1	09/20/24	09/27/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Fotal Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2438147
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		109 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2438152
Chloride	694	200	10	09/20/24	09/20/24	



Sample Data

	D	ample D	ala			
Matador Resources, LLC.	Project Name:	Cha	rlie Sweeney Fed	ТВ		
5400 LBJ Freeway, Suite 1500	Project Number	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			9/30/2024 11:30:46AM
		BH02 - 6'				
		E409177-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2438147		
Benzene	ND	0.0250	1	09/20/24	09/24/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/24/24	
Toluene	ND	0.0250	1	09/20/24	09/24/24	
o-Xylene	ND	0.0250	1	09/20/24	09/24/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/24/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/24/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	09/20/24	09/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2438147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	09/20/24	09/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/kg Analyst: AF		Batch: 2438139	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		109 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2438152
Chloride	818	200	10	09/20/24	09/20/24	



Sample Data

	3	ample D	ลเล			
Matador Resources, LLC.	Project Name	: Cha	rlie Sweeney Fed	ТВ		
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 230	03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			9/30/2024 11:30:46AM
		BH02 - 7'				
		E409177-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2438147		
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
p-Xylene	ND	0.0250	1	09/20/24	09/27/24	
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Fotal Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2438147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	kg Analyst: AF			Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		106 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2438152
Chloride	826	200	10	09/20/24	09/20/24	



	50	ampie D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	rlie Sweeney Fed ' 03-0002 ley Giovengo	ТВ		Reported: 9/30/2024 11:30:46AM
		BH03 - 0'				
		E409177-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2438147
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
p-Xylene	ND	0.0250	1	09/20/24	09/27/24	
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Fotal Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2438147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: AF			Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		104 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: RAS		Batch: 2438152
Chloride	8050	200	10	09/20/24	09/21/24	



Sample Data

	De	ample D	ala			
Matador Resources, LLC.	Project Name:	Cha	rlie Sweeney Fed	ТВ		
5400 LBJ Freeway, Suite 1500	Project Number	er: 230	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			9/30/2024 11:30:46AM
		BH03 - 2'				
		E409177-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2438147		
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
o-Xylene	ND	0.0250	1	09/20/24	09/27/24	
p,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: BA			Batch: 2438147
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/kg Analyst: AF			Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		112 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2438152
Chloride	683	200	10	09/20/24	09/21/24	



Sample Data

Sweeney Fed T 002 Giovengo	В		Reported: 9/30/2024 11:30:46AM
			•
Giovengo			9/30/2024 11:30:46AN
Dilution	Prepared	Analyzed	Notes
Analyst: BA			Batch: 2438147
1	09/20/24	09/27/24	
1	09/20/24	09/27/24	
1	09/20/24	09/27/24	
1	09/20/24	09/27/24	
1	09/20/24	09/27/24	
1	09/20/24	09/27/24	
-130	09/20/24	09/27/24	
Analyst: BA			Batch: 2438147
1	09/20/24	09/27/24	
-130	09/20/24	09/27/24	
Analyst:	AF		Batch: 2438139
1	09/20/24	09/25/24	
1	09/20/24	09/25/24	
-200	09/20/24	09/25/24	
Analyst:	RAS		Batch: 2438152
10	09/20/24	09/21/24	
	Analyst: 1 1 1 1 1 1 1 1 -130 Analyst: 1 1 -200 Analyst:	Analyst: BA 1 09/20/24 1 09/20/24 1 09/20/24 1 09/20/24 1 09/20/24 1 09/20/24 1 09/20/24 1 09/20/24 -130 09/20/24 Analyst: BA 09/20/24 -130 09/20/24 -130 09/20/24 -130 09/20/24 -130 09/20/24 -200 09/20/24 Analyst: RAS 09/20/24	Analyst: BA 1 09/20/24 09/27/24 1 09/20/24 09/27/24 1 09/20/24 09/27/24 1 09/20/24 09/27/24 1 09/20/24 09/27/24 1 09/20/24 09/27/24 1 09/20/24 09/27/24 1 09/20/24 09/27/24 -130 09/20/24 09/27/24 -130 09/20/24 09/27/24 -130 09/20/24 09/27/24 -130 09/20/24 09/27/24 -130 09/20/24 09/27/24 -130 09/20/24 09/27/24 -200 09/20/24 09/25/24 -200 09/20/24 09/25/24 -200 09/20/24 09/25/24 Analyst: RAS



Sample Data

	Reported: 9/30/2024 11:30:46AM		
	•		
	9/30/2024 11:30:46AM		
Analyzed	Notes		
Analyst: BA			
09/27/24			
09/27/24			
09/27/24			
09/27/24			
09/27/24			
09/27/24			
09/27/24			
	Batch: 2438147		
09/27/24			
09/27/24			
	Batch: 2438139		
09/25/24			
09/25/24			
09/25/24			
	Batch: 2438152		
09/21/24			
	09/27/24 09/27/24 09/27/24 09/27/24 09/27/24 09/27/24 09/27/24 09/27/24 09/27/24 09/27/24 09/25/24 09/25/24		



Sample Data

	5	ample D	ala			
Matador Resources, LLC.	Project Name:	Cha	rlie Sweeney Fed	ГВ		
5400 LBJ Freeway, Suite 1500	Project Number	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			9/30/2024 11:30:46AM
		BH03 - 8'				
		E409177-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Batch: 2438147		
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
p-Xylene	ND	0.0250	1	09/20/24	09/27/24	
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Fotal Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: BA			Batch: 2438147
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: AF		Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		103 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2438152
Chloride	1370	200	10	09/20/24	09/21/24	

Sample Data

	25	imple D	ลเล			
Matador Resources, LLC.	Project Name:	Cha	rlie Sweeney Fed	TB		
5400 LBJ Freeway, Suite 1500	Project Numbe	r: 230	03-0002			Reported:
Dallas TX, 75240	Project Manage	er: Ash	ley Giovengo			9/30/2024 11:30:46AM
		BH04 - 0'				
]	E409177-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Batch: 2438147		
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
o-Xylene	ND	0.0250	1	09/20/24	09/27/24	
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	cg Analyst: BA			Batch: 2438147
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: AF			Batch: 2438139
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane		111 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2438152
Chloride	8330	200	10	09/20/24	09/21/24	



Sample Data

	50	imple D	ala			
Matador Resources, LLC.	Project Name:	Cha	lie Sweeney Fe	d TB		
5400 LBJ Freeway, Suite 1500	Project Numbe	r: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	er: Ash	ey Giovengo			9/30/2024 11:30:46AM
]	BH04 - 0.5'				
	-	E409177-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Batch: 2438147		
Benzene	ND	0.0250	1	09/20/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/20/24	09/27/24	
Toluene	ND	0.0250	1	09/20/24	09/27/24	
o-Xylene	ND	0.0250	1	09/20/24	09/27/24	
o,m-Xylene	ND	0.0500	1	09/20/24	09/27/24	
Total Xylenes	ND	0.0250	1	09/20/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: BA			Batch: 2438147
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	09/20/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Batch: 2438139		
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Gurrogate: n-Nonane		110 %	50-200	09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2438152
Chloride	ND	20.0	1	09/20/24	09/21/24	



Sample Data

				ala	ample D	2	
			ney Fed TB	lie Sween	e: Cha	Project Nam	Matador Resources, LLC.
Reported:				03-0002	ber: 2300	Project Num	5400 LBJ Freeway, Suite 1500
024 11:30:46AN			ngo	ey Giovei	ager: Ash	Project Mana	Dallas TX, 75240
					BH04 - 1'		
					E409177-16		
					Reporting		
otes	Analyzed	Prepared	lution	Di	Limit	Result	Analyte
n: 2438147		Analyst: BA				mg/kg	Volatile Organics by EPA 8021B
	09/27/24	09/20/24	1		0.0250	ND	Benzene
	09/27/24	09/20/24	1		0.0250	ND	Ethylbenzene
	09/27/24	09/20/24	1		0.0250	ND	oluene
	09/27/24	09/20/24	1		0.0250	ND	-Xylene
	09/27/24	09/20/24	1		0.0500	ND	,m-Xylene
	09/27/24	09/20/24	1		0.0250	ND	Total Xylenes
	09/27/24	09/20/24		70-130	97.8 %		urrogate: 4-Bromochlorobenzene-PID
n: 2438147		g Analyst: BA		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - GRO	
	09/27/24	09/20/24	1		20.0	ND	Gasoline Range Organics (C6-C10)
	09/27/24	09/20/24		70-130	91.7 %		urrogate: 1-Chloro-4-fluorobenzene-FID
n: 2438139			Analyst: AF		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - DRO/ORO
	09/25/24	09/20/24	1		25.0	ND	Diesel Range Organics (C10-C28)
	09/25/24	09/20/24	1		50.0	ND	Dil Range Organics (C28-C36)
	09/25/24	09/20/24		50-200	108 %		urrogate: n-Nonane
n: 2438152		S	Analyst: RA		mg/kg	mg/kg	Anions by EPA 300.0/9056A
	09/21/24	09/20/24	1		20.0	87.6	Chloride
ch	09/25/24	09/20/24 S	Analyst: RA	50-200	108 % mg/kg	mg/kg	Dil Range Organics (C28-C36) <i>furrogate: n-Nonane</i> Anions by EPA 300.0/9056A



QC Summary Data

Matador Resources, LLC.		Project Name:	Cl	harlie Sweene	v Fed TB				Den ()
5400 LBJ Freeway, Suite 1500		Project Number:		3003-0002	, 10a 1D				Reported:
•		5							9/30/2024 11:30:46AM
Dallas TX, 75240		Project Manager:	As	shley Gioveng				9/30/2024 11:30:40AM	
		Volatile Or	rganics b			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 (2438147-BLK1)							Prepared: 0	9/20/24 <i>A</i>	Analyzed: 09/24/24
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: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			
LCS (2438147-BS1)							Prepared: 0	9/20/24 A	Analyzed: 09/24/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
p-Xylene	5.00	0.0250	5.00		100	70-130			
o,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			
Matrix Spike (2438147-MS1)				Source:	E409177-0	7	Prepared: 0	9/20/24 A	Analyzed: 09/24/24
Benzene	5.43	0.0250	5.00	ND	109	54-133			
Ethylbenzene	5.21	0.0250	5.00	ND	104	61-133			
Toluene	5.33	0.0250	5.00	ND	107	61-130			
p-Xylene	5.20	0.0250	5.00	ND	104	63-131			
o,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			
Matrix Spike Dup (2438147-MSD1)				Source:	E409177-0	7	Prepared: 0	9/20/24 A	Analyzed: 09/24/24
Benzene	5.98	0.0250	5.00	ND	120	54-133	9.75	20	
Ethylbenzene	5.76	0.0250	5.00	ND	115	61-133	10.0	20	
Toluene	5.89	0.0250	5.00	ND	118	61-130	9.90	20	
p-Xylene	5.75	0.0250	5.00	ND	115	63-131	9.97	20	
o,m-Xylene	11.7	0.0500	10.0	ND	117	63-131	9.96	20	
	17.5	0.0250	15.0	ND	116	63-131	9.96	20	

QC Summary Data

		QU N		ary Date					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Charlie Sweene 3003-0002	y Fed TB				Reported:
Dallas TX, 75240		Project Manager:	A	Ashley Gioveng	;o				9/30/2024 11:30:46AM
	Noi	nhalogenated C	Organics	by EPA 80	15D - G	RO			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 (2438147-BLK1)							Prepared: 0	9/20/24 A	nalyzed: 09/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			
LCS (2438147-BS2)							Prepared: 0	9/20/24 A	nalyzed: 09/24/24
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike (2438147-MS2)				Source:	E409177-	07	Prepared: 0	9/20/24 A	analyzed: 09/24/24
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			
Matrix Spike Dup (2438147-MSD2)				Source:	E409177-	07	Prepared: 0	9/20/24 A	analyzed: 09/24/24
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	5.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

QC Summary Data

		QC D	umm	ing Date	•				
Matador Resources, LLC.		Project Name:		harlie Sweeney	Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					
Dallas TX, 75240		Project Manager:	А	shley Gioveng	0				9/30/2024 11:30:46AM
	Nonh	nalogenated Org	anics by	EPA 8015D) - DRO/	ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438139-BLK1)							Prepared: 0	9/20/24 <i>A</i>	Analyzed: 09/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.2		50.0		90.3	50-200			
LCS (2438139-BS1)							Prepared: 0	9/20/24 A	Analyzed: 09/24/24
Diesel Range Organics (C10-C28)	204	25.0	250		81.5	38-132			
Surrogate: n-Nonane	45.6		50.0		91.2	50-200			
LCS Dup (2438139-BSD1)							Prepared: 0	9/20/24 A	Analyzed: 09/24/24
Diesel Range Organics (C10-C28)	241	25.0	250		96.5	38-132	16.8	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

		~		v					
Matador Resources, LLC.		Project Name:	C	harlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	3003-0002					
Dallas TX, 75240		Project Manager	A	shley Gioveng	go				9/30/2024 11:30:46AN
		Anions	by EPA	300.0/90564	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438152-BLK1)							Prepared: 0	9/20/24 /	Analyzed: 09/20/24
Chloride	ND	20.0							
LCS (2438152-BS1)							Prepared: 0	9/20/24	Analyzed: 09/20/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438152-MS1)				Source:	E409177-0	07	Prepared: 0	9/20/24 /	Analyzed: 09/20/24
Chloride	1130	200	250	818	125	80-120			M5
Matrix Spike Dup (2438152-MSD1)				Source:	E409177-0	07	Prepared: 0	9/20/24 /	Analyzed: 09/20/24
Chloride	1090	200	250	818	110	80-120	3.27	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/30/24 11:30

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated 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

	Clie	nt Inform	ation			Invoice Informa	tion			L	ab Us	se On	ly	1.2	**		TAT			State	
lient: N	latador Proc	luction Co	ompany		Cor	npany: Ensolum LLC Lab WO# Job Nun						Num	ber	100	1D 2	D 3D Sto	<u>1</u>	NM CO	UT T	:	
roject:	Charlie Swe	eeney Fea	d TB		_	dress: 3122 National Par		E	E 40	91	17	23	003	3-00	04		X		X		
	lanager: As					y, State, Zip: Carlsbad NI	И, 88220	-	-		-							-		_	
	3122 Natio	and the second second	A DE LA CARTA			one: 575-988-0055	Contract of Contract		-	-	-	Ana	lysis	and	Meti	nod		CDI		Program	CDA
	e, Zip: Carls		88220			nail: agiovengo@ensolu	m.com	-										SD		CWA R	CRA
	75-988-005 giovengo@e		om		IVIIS	cellaneous:	1.1											Com	pliance	Y OI	N
nan. a	lovengowe	insolum.c	0111				-		8015	8015			0			5			SID #	1.10	1
				Sample	Informatio	on			- 40	Vd O	8021	3260	300.	WN.	5 - TX	Vieta					
Time ampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Re	marks	CRA
235	9/18/24	5	1		BHO	01 - 0×		1						χ							
305		1	1			p1-1		2	8					Х							
308					~	51 - 2		3						X							
020						2-01		4						Х							
049						2 - 2'		5						X							
151						02-41		6						X							
209						02-6	4	7						X							
224						12-7'		8						X							
0847						3-01		9						X							
5900	0	1	1			3- Z		10						X							
ddition	al Instructio	ns: Plea	ase CC: c	burton@ensc	olum.com,	agiovengo@ensolum.co	m, chamilt	on@en	solum	.com,	iesti	ella@	Pens	olum	.con	n, bdea	l@ensolu	m.con	n,		
simmo	ns@ensolun	n.com				t tampering with or intentionally r	1.1.1. (P 1)		at an de						16			an la mal			
(field sam			authentici	y of this sample.	am aware tha	t tampening with or intentionally r	islabeling the s	ample loca	ation, ua	te or th	ne or cu	mection	in is con	isidere	unau	and ma	y be grounds i	or legal	action.		
	ed by: (Signatu		Date 9		e 1:12	Received by: (Signature)	inles C	1-192	4 Tin	ne D91	2			sample		ceived pac	al preservation ked in ice at an a				
elinquish Maise	ed by: (Signatu	re)	Date	e Tim	645	Received by: (Signature)	Date		Tin					Sunsea	IIPIN.III	on ice		Jse Or N	nly		
elinguish	ed by: (Signatu	re) Ø	Date	e Tim	e	Received by: (Signature)	Date	0. 7	Tin	ne	15	-									
1.9	۱.		9	19.24 7	1400	Auth M	ar y	100	9 -	7:0	D			<u>T1</u>	-		<u>T2</u>		<u></u>		
elinquish	ed by: (Signatu	re)	Date	e Tim	e	Received by: (Signature)	Date	0	Tin	he				AVG			4				
	rix: S - Soil, Sd - S						1.5.81						5-5-12 mar	11 P. 11 P. 11		-	5, v - VOA				
Note: Sam	ples are discard	ded 14 days	s after resu	ilts are reported	unless other	arrangements are made. Haza	ardous sample	s will be	returne	ed to cli	ent or	dispos	sed of	t at the	e clien	t expen	se. The repor	rt for th	e analysi	s of the abo	ve
samples is	applicable only	y to those s	amples re	ceived by the lab	oratory with	this COC. The liability of the la	aboratory is lin	nited to t	the amo	ount pa	id for	on the	repo	rt.							-
samples is	аррисарие опи	y to those s	amples re	Leived by the lab		this coc. The hability of the k				June pu			Tepo							-	

Chain of Custody

	Clier	nt Inform	ation			Invoice Informat	ion				Lab U	se Or	nly			1	AT		State
	Aatador Prod					mpany: Ensolum LLC		L	ab,W	0#	77	Job	Num	ber	-	1D 2D	3D Std		CO UT TX
	Charlie Swe					dress: 3122 National Parl	Contraction in the second	E	E40	091	11	23	3003	.000	12		X	X	
	Aanager: Ast					y, State, Zip: Carlsbad NN	1,88220	-	-			A	husia	and P	Math	-			DA Drogram
the state of the s	3122 Nation		and the second sec			one: 575-988-0055			-	1	-		alysis	and	vietn	00	TT	SDWA	CWA RCRA
	e, Zip: Carls 575-988-005		00220			nail: agiovengo@ensolu cellaneous:	n.com	-										5000	CWA IICIA
	giovengo@ei		om		14113	centreous.				n 1	^							Complia	nce Y or N
							1			y 801	1		0.0		×	als		PWSID	#
				Sample Inf	formatio	on		-		ROb	KO b y 802	826	le 30(NN-	005 - 1	Met			
Time ampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	ber a	DRO/ORO by 8015	GRO/DRO BY BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
922	9/18/24	5	1		BHO	3 - 4'		11						X					
949	1	1	1	1	BHOZ	5 - 6'		12	?					Х					
0958						3-81		13	S					X	-				
3747						s4-0'	4	14						X					
751						4-0.5		15						X					
753	1	1	1		BHO	4-1		16	,					X					
				_															
										-									
																			_
dditio	nal Instructio	ns: Ple	ase CC: cb	urton@ensolu	m.com,	, agiovengo@ensolum.co	m, chamilto	on@en	solun	m.cor	m, iest	rella	@ens	olum	.com	, bdeal	@ensolur	n.com,	
simmo	ns@ensolum	n.com	dauthenticity	of this sample I am	aware tha	at tampering with or intentionally m	islabeling the sa	mple loca	ation, d	late or	time of	ollectio	on is cor	sidered	d fraud	and may	be grounds fo	or legal actio	n.
mpled by			acumenticity	or this sumple. Turn	undre end														
elinquist	ed by: (Signatu		Date 9/	19/24 . 9:1	2	Received by: (Signature)	alce 9	-192	4	ime DGI	12			sampled		eived packe			ed on ice the day they are e 0 but less than 6 °C on
elinquist	hele G	onand	Date	Time	45	Received by: (Signature)	Date	.19.2	14.	^{ime} 17	15					on ice:	Labu	lse Only N	
elinquist	ed by: (Signatu	re)	Date Q.	19.74 Time	100	Received by: (Signature)	a gi	20.2	14 -	^{ime} 7:4	15			<u>T1</u>			T2		<u>T3</u>
elinquist	ned by: (Signatu	re)	Date	Time	100	Received by: (Signature)	Date		TI	îme				AVG	Tem	p°C	4		_
	trix: S - Soil, Sd - S														_		v-VOA		
lote: San	ples are discard	ded 14 day	s after result	ts are reported unl	less other	r arrangements are made. Haza h this COC. The liability of the la	noous samples	will be	return	nea to	client c	on the	e reno	at the t.	client	expense	. The repor	t for the ar	ote

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	09/20/24	07:45	Work Order ID:	E409177
Phone:	(972) 371-5200 Da	te Logged In:	09/19/24	15:20	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com Du	ie Date:	09/26/24	17:00 (4 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he 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.	e field,	Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did th	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	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was t	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		Yes			
12 Ifma	minutes of sampling visible ice, record the temperature. Actual sample tem	amonotuno. 1º	C			
		iperature. <u>4</u>	<u>c</u>			
	Container		NT-			
	aqueous VOC samples present? VOC samples collected in VOA Vials?		No NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La		concetted.	105			
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
Ι	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation					
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?	1.0	NA			
24. Is lat	o filteration required and/or requested for dissolved meta	ls?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	1?	NA			
<u>Subcont</u>	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?		No			
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
<u>Cli</u> ent I	Instruction					

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Charlie Sweeney Fed TB

Work Order: E409196

Job Number: 23003-0002

Received: 9/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/30/24

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: 9/30/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E409196 Date Received: 9/23/2024 8:00:00AM

Ashley Giovengo,



Page 93 of 251

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2024 8:00:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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
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		Sample Sum	mai y		
Matador Resources, LLC.		Project Name:	Charlie Sweeney Fe	ed TB	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Teporteut
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/30/24 13:35
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03-0'	E409196-01A	Soil	09/20/24	09/23/24	Glass Jar, 2 oz.
SS04-0'	E409196-02A	Soil	09/20/24	09/23/24	Glass Jar, 2 oz.
SS07-0'	E409196-03A	Soil	09/20/24	09/23/24	Glass Jar, 2 oz.
SS08-0'	E409196-04A	Soil	09/20/24	09/23/24	Glass Jar, 2 oz.



	S	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	rlie Sweeney F 03-0002 ley Giovengo	ed TB		Reported: 9/30/2024 1:35:51PM
Dunus IX, 75240	Tiojeet Wana	-	ley Glovengo			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		SS03-0'				
		E409196-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/28/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/28/24	
Toluene	ND	0.0250	1	09/24/24	09/28/24	
o-Xylene	ND	0.0250	1	09/24/24	09/28/24	
p,m-Xylene	ND	0.0500	1	09/24/24	09/28/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/28/24	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/28/24	
		96.4 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2439035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/24	09/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/24/24	09/27/24	
Surrogate: n-Nonane		101 %	50-200	09/24/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2439037
Chloride	112	40.0	2	09/24/24	09/25/24	



	5	ample D	aca			
	Project Name		rlie Sweeney Fed	1 TB		D ()
	Project Numb Project Manag)3-0002		Reported: 9/30/2024 1:35:51PM	
	Project Manag	ger: Asn	ley Giovengo			9/30/2024 1.33.31FW
		SS04-0'				
		E409196-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/28/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/28/24	
Toluene	ND	0.0250	1	09/24/24	09/28/24	
p-Xylene	ND	0.0250	1	09/24/24	09/28/24	
o,m-Xylene	ND	0.0500	1	09/24/24	09/28/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/28/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2439035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/24	09/27/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/24/24	09/27/24	
Surrogate: n-Nonane		94.7 %	50-200	09/24/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2439037
Chloride	146	20.0	1	09/24/24	09/25/24	



	5	ample D	ala			
Matador Resources, LLC.	Project Name		rlie Sweeney Fed	TB		D (1
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002		Reported:	
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			9/30/2024 1:35:51PM
		SS07-0'				
		E409196-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/28/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/28/24	
Foluene	ND	0.0250	1	09/24/24	09/28/24	
p-Xylene	ND	0.0250	1	09/24/24	09/28/24	
o,m-Xylene	ND	0.0500	1	09/24/24	09/28/24	
Fotal Xylenes	ND	0.0250	1	09/24/24	09/28/24	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2439035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/24	09/27/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/24/24	09/27/24	
Surrogate: n-Nonane		100 %	50-200	09/24/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2439037
Chloride	46.6	20.0	1	09/24/24	09/25/24	



	5	ampie D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 230	rlie Sweeney Fed 03-0002 ley Giovengo	Reported: 9/30/2024 1:35:51PM		
		SS08-0'				
		E409196-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/28/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/28/24	
Toluene	ND	0.0250	1	09/24/24	09/28/24	
p-Xylene	ND	0.0250	1	09/24/24	09/28/24	
o,m-Xylene	ND	0.0500	1	09/24/24	09/28/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/28/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: NV		Batch: 2439035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/24/24	09/27/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/24/24	09/27/24	
Surrogate: n-Nonane		95.3 %	50-200	09/24/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: WF	Batch: 2439037	
Chloride	211	200	10	09/24/24	09/25/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	harlie Sweene 3003-0002 shley Gioveng					Reported: 9/30/2024 1:35:51PM
		Volatile O	rganics l	by EPA 802	1 B				Analyst: CG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2439027-BLK1)							Prepared: 0	9/24/24 <i>I</i>	Analyzed: 09/28/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			
LCS (2439027-BS1)							Prepared: 0	9/24/24 A	Analyzed: 09/28/24
Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.2	70-130			
LCS Dup (2439027-BSD1)							Prepared: 0	9/24/24 A	Analyzed: 09/28/24
Benzene	4.85	0.0250	5.00		96.9	70-130	7.75	20	
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	7.13	20	
Toluene	4.77	0.0250	5.00		95.3	70-130	7.42	20	
o-Xylene	4.65	0.0250	5.00		92.9	70-130	7.11	20	
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130	6.68	20	
Total Xylenes	14.1	0.0250	15.0		94.2	70-130	6.82	20	
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number		harlie Sweene 3003-0002	y Fed TB				Reported:
Dallas TX, 75240		Project Manager	r: A	shley Gioveng	go				9/30/2024 1:35:51PM
	No	nhalogenated	Organics	by EPA 80	15D - GI	RO			Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2439027-BLK1)							Prepared: 0	9/24/24	Analyzed: 09/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130	Prepared: 0	9/24/24	Analyzed: 09/28/24
LCS (2439027-BS2)	7.83	20.0	8.00		97.9 85.2	70-130	Prepared: 0	9/24/24	Analyzed: 09/28/24
		20.0					Prepared: 0	9/24/24	Analyzed: 09/28/24
LCS (2439027-BS2) Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID	42.6	20.0	50.0		85.2	70-130			Analyzed: 09/28/24 Analyzed: 09/28/24
LCS (2439027-BS2) Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			



QC Summary Data

				J					
Matador Resources, LLC.		Project Name:	Cł	narlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002					
Dallas TX, 75240		Project Manager:	As	shley Gioveng	go				9/30/2024 1:35:51PM
	Nonh	alogenated Org	anics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2439035-BLK1)							Prepared: 0	9/24/24	Analyzed: 09/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			
LCS (2439035-BS1)							Prepared: 0	9/24/24	Analyzed: 09/27/24
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			
LCS Dup (2439035-BSD1)							Prepared: 0	9/24/24	Analyzed: 09/27/24
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132	8.63	20	



QC Summary Data

			-						
Matador Resources, LLC.		Project Name:		Charlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23003-0002					
Dallas TX, 75240		Project Manager	•	Ashley Gioveng	go				9/30/2024 1:35:51P
		Anions	by EPA	300.0/9056	4				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 (2439037-BLK1)							Prepared: 0	9/24/24	Analyzed: 09/25/24
Chloride	ND	20.0							
LCS (2439037-BS1)							Prepared: 0	9/24/24	Analyzed: 09/25/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2439037-MS1)				Source:	E409196-0	03	Prepared: 0	9/24/24	Analyzed: 09/25/24
Chloride	298	20.0	250	46.6	101	80-120			
Matrix Spike Dup (2439037-MSD1)				Source:	E409196-0	03	Prepared: 0	9/24/24	Analyzed: 09/25/24
Chloride	299	20.0	250	46.6	101	80-120	0.176	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/30/24 13:35

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

						Chain c	of Cus	tody													Page	of
	Clie	nt Inform	nation			Invoice Information	_!				Lat	b Us	e On	lv				TA	<u>г</u>	<u> </u>	State	cei
Project (Aatador Proc harlie Manager: As	luction C	ompany	FedT	3 A	mpany: <u>Ensolum LLC</u> Idress: 3122 National Parks H y, State, Zip: Carlsbad NM, 88	wy		Lab V E4	wo#		- 1	l dol	Num	ber vOX	Z	1D		3D St			teceived by OCD: 12/2/2024 2:27:50 PM
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City, Stat	e, Zip: Carls	bad NM,				nail: agiovengo@ensolum.co ccellaneous:	om													S	DWA CWA RCRA): 12//
<u>Email: a</u> -	giovengo@e	nsolum.c	:om				-			DRO/ORO by 8015	GRO/DRO by 8015	21	9	0.0	Σ	ž	tals				mpliance Y or N VSID #	2/2024
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	a La Num	ib iber	DRO/C	GRO/D	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	27:5
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Relinguish	ed by: (Signatu		Date	20/24	lime 1550	Received by: (Signature) Michelle Gonzal	ec G	20-2)4	Time	ঠ্য					d or re	ceived p				e received on ice the day they are ap above 0 but less than 6 °C on	1
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	•	-		-		r arrangements are made. Hazardous this COC. The liability of the laborat	-						-			e clier	it expe	nse. Ti	ne repo	rt for t	the analysis of the above	Page
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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Matador Resources, LLC. Da	te Received:	09/23/24	08:00	Work Order ID:	E409196
Phone:	(972) 371-5200 Da	te Logged In:	09/23/24	09:12	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com Du	e Date:	09/27/24	17:00 (4 day TAT)		
<u>Chain o</u>	f Custody (COC)					
	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	analyses?	Yes			
5. Were	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 '	<u>Turn Around Time (TAT)</u>					
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	a sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	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 tem	nerature 4º	C			
	Container		<u> </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						
	e field sample labels filled out with the minimum inform	ation:				
20. Were	Sample ID?		Yes			
S	Date/Time Collected?		Yes			
5 1 0	Collectors name?		Yes No			
S I Sample	Collectors name? Preservation	mud)	No			
Sample 21. Does	Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	rved?	No No			
5 1 0 21. Does 22. Are s	Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?		No No NA			
5 1 (Sample 21. Does 22. Are s 24. Is lab	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		No No			
Sample 21. Does 22. Are s 24. Is lat Multiph	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>nase Sample Matrix</u>		No No NA No			
Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does	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>nase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ls?	No No No No			
Sample 21. Does 22. Are s 24. Is lab <u>Multiph</u> 26. Does 27. If yea	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>mase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? is, does the COC specify which phase(s) is to be analyzed	ls?	No No NA No			
Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If ye: Subcont	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>mase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? is, does the COC specify which phase(s) is to be analyzed <u>tract Laboratory</u>	ls?	No NA No No NA			
5 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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>mase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? is, does the COC specify which phase(s) is to be analyzed	ls? 1?	No No No No			

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



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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:

Charlie Sweeney Fed TB

Work Order: E410276

Job Number: 23003-002

Received: 10/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/30/24

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: 10/30/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E410276 Date Received: 10/23/2024 5:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2024 5:00:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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

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		Sumplesum	iiiai y		
Matador Resources, LLC.		Project Name:	Charlie Sweeney Fo	ed TB	Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:	23003-002 Ashley Giovengo		10/30/24 15:31
Dallas IX, 75240		Project Manager:	Ashley Glovengo		10/30/24 15:51
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-3'	E410276-01A	Soil	10/21/24	10/23/24	Glass Jar, 2 oz.
FS02-2'	E410276-02A	Soil	10/21/24	10/23/24	Glass Jar, 2 oz.
FS07-0'	E410276-03A	Soil	10/21/24	10/23/24	Glass Jar, 2 oz.
FS08-0'	E410276-04A	Soil	10/21/24	10/23/24	Glass Jar, 2 oz.
FS22-0.5'	E410276-05A	Soil	10/21/24	10/23/24	Glass Jar, 2 oz.



	S	Sample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	rlie Sweeney F)3-002 ley Giovengo	Reported: 10/30/2024 3:31:09PM		
Dunus IX, 75240	Tiojeet Main	-	ley Glovengo			10,00,2021 0101107111
		FS01-3'				
		E410276-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg Analyst: SL					Batch: 2443113
Benzene	ND	0.0250	1	10/23/24	10/29/24	
Ethylbenzene	ND	0.0250	1	10/23/24	10/29/24	
Toluene	ND	0.0250	1	10/23/24	10/29/24	
o-Xylene	ND	0.0250	1	10/23/24	10/29/24	
p,m-Xylene	ND	0.0500	1	10/23/24	10/29/24	
Total Xylenes	ND	0.0250	1	10/23/24	10/29/24	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2443113
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/24	10/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2443118
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/24	10/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/24	10/28/24	
Surrogate: n-Nonane		121 %	50-200	10/23/24	10/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2443134
Chloride	357	200	10	10/24/24	10/27/24	

envirotech Inc.

Sample Data

	5	ampic D	aca			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	rlie Sweeney Fed 7 03-002 ley Giovengo	Reported: 10/30/2024 3:31:09PM		
		FS02-2'				
		E410276-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2443113
Benzene	ND	0.0250	1	10/23/24	10/29/24	
Ethylbenzene	ND	0.0250	1	10/23/24	10/29/24	
Toluene	ND	0.0250	1	10/23/24	10/29/24	
p-Xylene	ND	0.0250	1	10/23/24	10/29/24	
o,m-Xylene	ND	0.0500	1	10/23/24	10/29/24	
Fotal Xylenes	ND	0.0250	1	10/23/24	10/29/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: SL		Batch: 2443113
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/24	10/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: NV		Batch: 2443118
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/24	10/28/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/23/24	10/28/24	
Surrogate: n-Nonane		109 %	50-200	10/23/24	10/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: DT		Batch: 2443134
Chloride	286	200	10	10/24/24	10/27/24	



Sample Data

	b	ampie D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	rlie Sweeney Fed ' 03-002 ley Giovengo	Reported: 10/30/2024 3:31:09PM		
		FS07-0'				
		E410276-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2443113
Benzene	ND	0.0250	1	10/23/24	10/29/24	
Ethylbenzene	ND	0.0250	1	10/23/24	10/29/24	
Toluene	ND	0.0250	1	10/23/24	10/29/24	
p-Xylene	ND	0.0250	1	10/23/24	10/29/24	
o,m-Xylene	ND	0.0500	1	10/23/24	10/29/24	
Total Xylenes	ND	0.0250	1	10/23/24	10/29/24	
urrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: SL		Batch: 2443113
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/24	10/29/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	t: NV		Batch: 2443118
Diesel Range Organics (C10-C28)	123	25.0	1	10/23/24	10/28/24	
Dil Range Organics (C28-C36)	190	50.0	1	10/23/24	10/28/24	
Surrogate: n-Nonane		108 %	50-200	10/23/24	10/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: DT		Batch: 2443134
Chloride	33500	2000	100	10/24/24	10/27/24	



Sample Data

	5	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	Charlie Sweeney Fed TB 23003-002 Ashley Giovengo			Reported: 10/30/2024 3:31:09PM
		FS08-0'				
		E410276-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2443113
Benzene	ND	0.0250	1	10/23/24	10/29/24	
Ethylbenzene	ND	0.0250	1	10/23/24	10/29/24	
Toluene	ND	0.0250	1	10/23/24	10/29/24	
p-Xylene	ND	0.0250	1	10/23/24	10/29/24	
o,m-Xylene	ND	0.0500	1	10/23/24	10/29/24	
Fotal Xylenes	ND	0.0250	1	10/23/24	10/29/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: SL		Batch: 2443113
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/24	10/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: NV		Batch: 2443118
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/24	10/28/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/23/24	10/28/24	
Surrogate: n-Nonane		106 %	50-200	10/23/24	10/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: DT		Batch: 2443134
Chloride	1460	200	10	10/24/24	10/27/24	



Sample Data

	L L	bample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	rlie Sweeney Fed 03-002 ley Giovengo	Reported: 10/30/2024 3:31:09PM		
		FS22-0.5'				
		E410276-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2443113
Benzene	ND	0.0250	1	10/23/24	10/29/24	
Ethylbenzene	ND	0.0250	1	10/23/24	10/29/24	
Toluene	ND	0.0250	1	10/23/24	10/29/24	
o-Xylene	ND	0.0250	1	10/23/24	10/29/24	
o,m-Xylene	ND	0.0500	1	10/23/24	10/29/24	
Fotal Xylenes	ND	0.0250	1	10/23/24	10/29/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2443113
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/24	10/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	10/23/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2443118
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/24	10/28/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/23/24	10/28/24	
Surrogate: n-Nonane		113 %	50-200	10/23/24	10/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2443134
Chloride	31.3	20.0	1	10/24/24	10/27/24	



QC Summary Data

		$\mathbf{x} \in \mathbb{R}$		ary Date					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	,	Charlie Sweene 23003-002 Ashley Gioveng					Reported: 10/30/2024 3:31:09PM
		Volatile O	rganics	by EPA 802	1 B				Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
					,,,	70	,,,	70	10005
Blank (2443113-BLK1)		Prepared							Analyzed: 10/29/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			
LCS (2443113-BS1)							Prepared: 1	0/23/24	Analyzed: 10/30/24
Benzene	5.58	0.0250	5.00		112	70-130			
Ethylbenzene	5.36	0.0250	5.00		107	70-130			
Toluene	5.49	0.0250	5.00		110	70-130			
o-Xylene	5.34	0.0250	5.00		107	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.7	70-130			
LCS Dup (2443113-BSD1)							Prepared: 1	0/23/24	Analyzed: 10/30/24
Benzene	6.15	0.0250	5.00		123	70-130	9.72	20	
Ethylbenzene	5.93	0.0250	5.00		119	70-130	10.0	20	
Toluene	6.06	0.0250	5.00		121	70-130	9.90	20	
o-Xylene	5.90	0.0250	5.00		118	70-130	9.98	20	
p,m-Xylene	12.0	0.0500	10.0		120	70-130	10.0	20	
Total Xylenes	18.0	0.0250	15.0		120	70-130	10.0	20	
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			



QC Summary Data

		QU N	~~~~~	ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	harlie Sweene 3003-002 shley Gioveng					Reported: 10/30/2024 3:31:09PM
Dallas IA, 73240		Floject Manager.	A	Isiney Oloveng	30				10/30/2024 5.51.091 W
	Noi	nhalogenated (Organics	by EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443113-BLK1)							Prepared: 1	0/23/24 A	analyzed: 10/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.3	70-130			
LCS Dup (2443113-BSD1)							Prepared: 1	0/23/24 A	analyzed: 10/30/24
Gasoline Range Organics (C6-C10)	65.8	20.0				70-130	200	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			
LCS (2443113-BS2)							Prepared: 1	0/23/24 A	analyzed: 10/30/24
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			
LCS Dup (2443113-BSD2)							Prepared: 1	0/23/24 A	analyzed: 10/29/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		83.9	70-130	3.76	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			



QC Summary Data

		$\mathbf{v} \mathbf{v} \mathbf{v}$		ary Date					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Charlie Sweene 3003-002	y Fed TB				Reported:
Dallas TX, 75240		Project Manager:	A	Ashley Gioveng	ço				10/30/2024 3:31:09PM
	Nonha	alogenated Org	anics by	EPA 8015E) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443118-BLK1)							Prepared: 1	0/23/24 A	analyzed: 10/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			
LCS (2443118-BS1)							Prepared: 1	0/23/24 A	analyzed: 10/27/24
Diesel Range Organics (C10-C28)	325	25.0	250		130	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			
Matrix Spike (2443118-MS1)				Source:	E410276-	02	Prepared: 1	0/23/24 A	analyzed: 10/28/24
Diesel Range Organics (C10-C28)	345	25.0	250	ND	138	38-132			M2
Surrogate: n-Nonane	56.9		50.0		114	50-200			
Matrix Spike Dup (2443118-MSD1)				Source:	E410276-	02	Prepared: 1	0/23/24 A	analyzed: 10/28/24
Diesel Range Organics (C10-C28)	327	25.0	250	ND	131	38-132	5.61	20	
Surrogate: n-Nonane	57.4		50.0		115	50-200			



QC Summary Data

		L L		•						
Matador Resources, LLC.		Project Name:	(Charlie Sweeney Fed TB				Reported:		
5400 LBJ Freeway, Suite 1500		Project Number:	2	23003-002						
Dallas TX, 75240		Project Manager	: /	Ashley Gioveng	go				10/30/2024 3	3:31:09PM
		Anions	by EPA	300.0/9056	4				Analyst: D	DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	No	tes
Blank (2443134-BLK1)							Prepared:	10/24/24	Analyzed: 10/	27/24
Chloride	ND	20.0								
LCS (2443134-BS1)							Prepared:	10/24/24	Analyzed: 10/	27/24
Chloride	253	20.0	250		101	90-110				
Matrix Spike (2443134-MS1)				Source:	E410264-2	24	Prepared:	10/24/24	Analyzed: 10/	27/24
Chloride	262	20.0	250	ND	105	80-120				
Matrix Spike Dup (2443134-MSD1)				Source:	E410264-2	24	Prepared:	10/24/24	Analyzed: 10/	27/24
Chloride	260	20.0	250	ND	104	80-120	0.728	20		

QC Summary Report Comment:

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



	2 •••••••		
Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/24 15:31

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Sample Info Time Date Sampled Matrix No. of Sample Date Sampled Matrix Containers 3:49 10/21/24 Soil 1 FSC	Sample ID (-3) (-2)			DRO/ORO by 8015	รา(Analy	sis a		2	11	3D Std	EPA Program SDWA CWA RCRA
Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Sample Info Time Date Sampled Matrix No. of Containers 13:49 10/21/24 Soil 1 FGC 13:49 10/21/24 Soil 1 FGC	City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: ormation Sample ID D1 - 3 D2 - 2		E	10	รา(Analy	sis a					EPA Program
Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com 	Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: ormation Sample ID				8015		Analy	sis a			1		
City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Sample Date Sampled Matrix No. of containers 13:49 10/21/24 Soil 1 FGC 11:10 1 FGC FGC	Email: agiovengo@ensolum.com Miscellaneous: ormation Sample ID	Field Filter In Nur	ab	0/ORO by 8015	RO by 8015				nd N	letho			
Phone: 575-988-0055 Email: agiovengo@ensolum.com Sample Info Time Date Sampled Matrix No. of Containers I3:49 10/21/24 Soil 1 FSC	Miscellaneous: ormation Sample ID D1-3 D2-2	Field Filter In Nat	.ab mber	0/ORO by 8015	RO by 8015	021							SDWA CWA RCRA
Email: agiovengo@ensolum.com Sample Info Time Sampled Date Sampled Matrix No. of Containers 13:49 10/21/24 Soil 1 FSC 11:10 1 FSC	sample ID D1-3 D2-2	riter Annu Annu	.ab mber	0/ORO by 8015	RO by 8015	021							
Sample Info Time Sampled Date Sampled Matrix No. of Containers 13:49 10/21/24 Soil 1 FSC 11:10 1 1 FSC	Sample ID (-3) (-2)	Filter Filter Nur	.ab mber	0/ORO by 8015	RO by 8015	021							C N
Time Sampled Date Sampled Matrix No. of Containers 13:49 10/21/24 Soil 1 11:10 1 1 FSC	Sample ID (-3) (-2)	Field Filter Nur	.ab mber	/ORO by 8	RO by 8	021	~ /						Compliance Y or N PWSID #
Time Sampled Date Sampled Matrix No. of Containers 13:49 10/21/24 Soil 1 11:10 1 1 FSC	Sample ID (-3) (-2)	Field Filter Nu	.ab mber)/ORC	80		560	000	M	-TX			P VVSID #
Sampled Date Sampled Matrix Containers 3:49 10/21/24 Soil 1 FSC 11:10 1 FSC 1 FSC	01-3	뿥 蒄 Nur	mber		9	BTEX by 8021	VOC by 8260	Chioride 300.0	BGDOC - NM	TCEQ 1005 - TX BCRA & Metals			Remarks
11:10 FSC 11:10 FSC 11:10 FSC 11:10 FSC 14:04 FSC 14:04 FSC	01-3			DRC	GRC	BTE	NOO	Chio	BGD	TCEC		_	
11:10 FSC U.OU FSC ULOG FSC	02-2		l						X				
HILD FSC		-	2			- 1			X				
ueor FSC	in -c		2		-	-	-	1	V	-			
14:06 1 1 tSC	57-0		3	-	-	-		1	$\overline{)}$	_			
1 100	$07-0^{2}$ $04-0^{2}$ $22-0.5^{2}$, C	4)	$\langle $				
12:35 F5:	22-0.5	4	5	-					X				
								1	~				
				-	-	-	-	-	-	-		-	
					-		_	_		_		-	
													1
Additional Instructions: Held on Ice. Please CC: cburto	on@ensolum.com_agiovengo@ensolun	n com is	octrol	200	nsolu	Ima	om h	 cob	@on	solun		hamilto	n@ensolum.com
bsimmons@ensolum.com	oneensolum.com, agiovengoeensolum	n.com, ie	estren	aeee	insolu		0111, 0	ucai	even	solun	i.com, c	mannine	ing chisolumicom,
(field sampler), attest to the validity and authenticity of this sample. I am a	aware that tampering with or intentionally mislabeling t	the sample lo	ocation	, date o	or time	of col	lection is	consi	dered	fraud a	d may be	grounds fo	r legal action.
Sampled by: Bowan Simmons		1.0.00	_			_							
Relinquished by: (Signature) Date Time	S Received by: (Signature) S Received by: (Signature) OD Received by: (Signature)	Date	24	Time	in								ust be received on ice the day they are g temp above 0 but less than 6 °C on
1012424 -1.1	Destinded by (Classeture)	Date	181	U	113	-				nt days			se Only
Relinquished by: (Signature) Date Time	ND Received by: (Signature)	Date 10.72	.70	1	719	-			locai	ind a	n ice:	Y/ N	
Revinquished by: (Signature) Date Time	Received by: (Signature)	Date	····	Time	11-	4			ecer	veu o	rice.		
10.22.24 24	100 Human Hell	10:23.	20	05	77			Т	1		-	T2	T3
Relinquished by: (Signature) Date Time	Received by: (Signature)	Date	-	Time	u	-		-	-		11		
	////							A	VG	emp	°c 4		
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Containe						_					
Note: Samples are discarded 14 days after results are reported unle									t the d	lient e	kpense. T	he report	for the analysis of the above
samples is applicable only to those samples received by the laborate	ory with this COC. The liability of the laboratory i	is limited to	o the a	moun	t paid	for o	n the re	port.	1.5	_			

Page

of

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	10/23/24 0:	5:00	Work Order ID:	E410276
Phone:	(972) 371-5200 E	Date Logged In:	10/22/24 10	6:17	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	10/29/24 1	7:00 (4 day TAT)		
<u>Chain of</u>	Custody (COC)					
1. Does tl	he sample ID match the COC?		Yes			
2. Does th	he number of samples per sampling site location match	the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were a	Il 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.		Yes		Commen	ts/Resolution
Sample 7	<u>Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (Cooler					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
12. Was th	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 If no.	minutes of sampling visible ice, record the temperature. Actual sample te	mnerature: 4º	C			
		mperature. <u>4</u>	<u>c</u>			
	<u>Container</u> queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample container	's collected?	Yes			
Field Lal						
	field sample labels filled out with the minimum inform	nation:				
	ample ID?		Yes			
D	Date/Time Collected?		Yes			
	Collectors name?		No			
_	Preservation	10				
	the COC or field labels indicate the samples were pres	served?	No			
	ample(s) correctly preserved?	ala9	NA N-			
	filteration required and/or requested for dissolved met	ais?	No			
	ase Sample Matrix	2				
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	, does the COC specify which phase(s) is to be analyze	ed?	NA			
	ract Laboratory					
Subcontr						
28. Are s	amples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		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:

Charlie Sweeney Fed TB

Work Order: E410284

Job Number: 23003-0002

Received: 10/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/1/24

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: 11/1/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E410284 Date Received: 10/24/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/24/2024 8:00:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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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		Sumple Sum			
Matador Resources, LLC.		Project Name:	Charlie Sweeney Fe	ed TB	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		http://tu.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		11/01/24 11:27
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03-2'	E410284-01A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS17-3'	E410284-02A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS19-3'	E410284-03A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS21-3'	E410284-04A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
SW07-0-4'	E410284-05A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.



	~	ampie D				
Matador Resources, LLC.	Project Name	: Cha	rlie Sweeney F	ed TB		
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 2300	03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ey Giovengo			11/1/2024 11:27:56AM
		FS03-2'				
		E410284-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2443125
Benzene	ND	0.0250	1	10/24/24	10/29/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/29/24	
Toluene	ND	0.0250	1	10/24/24	10/29/24	
p-Xylene	ND	0.0250	1	10/24/24	10/29/24	
o,m-Xylene	ND	0.0500	1	10/24/24	10/29/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		103 %	70-130	10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	10/24/24	10/29/24	
Surrogate: Toluene-d8		103 %	70-130	10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2443125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		103 %	70-130	10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	10/24/24	10/29/24	
Surrogate: Toluene-d8		103 %	70-130	10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	Ana		Batch: 2444089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	10/31/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/30/24	10/31/24	
Surrogate: n-Nonane		103 %	50-200	10/30/24	10/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2443208
Chloride	406	200	10	10/26/24	10/28/24	





Sample Data

	0	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	rlie Sweene)3-0002 ley Gioveng	5	B		Reported: 11/1/2024 11:27:56AM
·	5	FS17-3'					
		E410284-02					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443125
Benzene	ND	0.0250	1	1	10/24/24	10/29/24	
Ethylbenzene	ND	0.0250	1	1	10/24/24	10/29/24	
Toluene	ND	0.0250	1	1	10/24/24	10/29/24	
p-Xylene	ND	0.0250	1	1	10/24/24	10/29/24	
o,m-Xylene	ND	0.0500	1	1	10/24/24	10/29/24	
Total Xylenes	ND	0.0250	1	1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		104 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		RKS		Batch: 2443125
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		104 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2444089
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/30/24	10/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/30/24	10/31/24	
Surrogate: n-Nonane		96.8 %	50-200		10/30/24	10/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2443208
Chloride	846	200	1	0	10/26/24	10/28/24	



Sample Data

	D	ample D	ata				
Matador Resources, LLC.	Project Name		lie Sweene	y Fed T	В		
5400 LBJ Freeway, Suite 1500	Project Num		03-0002				Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Gioveng	go			11/1/2024 11:27:56AM
		FS19-3'					
		E410284-03					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2443125
Benzene	ND	0.0250	1		10/24/24	10/29/24	
Ethylbenzene	ND	0.0250	1		10/24/24	10/29/24	
Toluene	ND	0.0250	1		10/24/24	10/29/24	
p-Xylene	ND	0.0250	1		10/24/24	10/29/24	
p,m-Xylene	ND	0.0500	1		10/24/24	10/29/24	
Total Xylenes	ND	0.0250	1		10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		103 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS		RKS		Batch: 2443125
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		103 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	NV		Batch: 2444089
Diesel Range Organics (C10-C28)	ND	25.0	1		10/30/24	10/31/24	
Dil Range Organics (C28-C36)	ND	50.0	1		10/30/24	10/31/24	
Surrogate: n-Nonane		102 %	50-200		10/30/24	10/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	DT		Batch: 2443208
Chloride	280	200	10	0	10/26/24	10/28/24	



Sample Data

	D	ample D	aca				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	rlie Sweer 03-0002 ley Giover	5	ΓB		Reported: 11/1/2024 11:27:56AM
		FS21-3'					
		E410284-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2443125
Benzene	ND	0.0250		1	10/24/24	10/29/24	
Ethylbenzene	ND	0.0250		1	10/24/24	10/29/24	
Toluene	ND	0.0250		1	10/24/24	10/29/24	
p-Xylene	ND	0.0250		1	10/24/24	10/29/24	
o,m-Xylene	ND	0.0500		1	10/24/24	10/29/24	
Total Xylenes	ND	0.0250		1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		106 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g/kg Analyst: RKS			Batch: 2443125	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		106 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2444089
Diesel Range Organics (C10-C28)	ND	25.0		1	10/30/24	10/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/30/24	10/31/24	
Surrogate: n-Nonane		91.7 %	50-200		10/30/24	10/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2443208
Chloride	701	200		10	10/26/24	10/28/24	



Sample Data

		ampie D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	rlie Sween)3-0002 ley Giover	5	ΓB		Reported: 11/1/2024 11:27:56AM
		SW07-0-4'					
		E410284-05					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
-	mg/kg	mg/kg		Analyst: RKS			Batch: 2443125
Volatile Organic Compounds by EPA 8260B Benzene	ND	0.0250	8		10/24/24	10/29/24	Datell. 2443123
Ethylbenzene	ND	0.0250		1	10/24/24	10/29/24	
Foluene	ND	0.0250		1	10/24/24	10/29/24	
p-Xylene	ND	0.0250		1	10/24/24	10/29/24	
p,m-Xylene	ND	0.0500		1	10/24/24	10/29/24	
Total Xylenes	ND	0.0250		1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		101 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		103 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	'kg Analyst: RKS			Batch: 2443125	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/24/24	10/29/24	
Surrogate: Bromofluorobenzene		101 %	70-130		10/24/24	10/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		10/24/24	10/29/24	
Surrogate: Toluene-d8		103 %	70-130		10/24/24	10/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2444089	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/30/24	10/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/30/24	10/31/24	
Surrogate: n-Nonane		93.8 %	50-200		10/30/24	10/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2443208
Chloride	1330	200		10	10/26/24	10/28/24	



QC Summary Data

Matador Resources, LLC.		Project Name:	Cl	harlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					· # · · · · · · · · ·
Dallas TX, 75240		Project Manager:	As	shley Gioveng	ço			1	1/1/2024 11:27:56AN
	V	olatile Organic	Compo	unds by EF	PA 8260E	3		Analyst: RKS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443125-BLK1)]	Prepared: 10	0/24/24 An	alyzed: 10/30/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2443125-BS1)]	Prepared: 10	0/24/24 An	alyzed: 10/29/24
Benzene	2.22	0.0250	2.50		88.9	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.4	70-130			
Toluene	2.38	0.0250	2.50		95.1	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	5.09	0.0500	5.00		102	70-130			
Total Xylenes	7.60	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.3	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
LCS Dup (2443125-BSD1)]	Prepared: 10	0/24/24 An	alyzed: 10/29/24
Benzene	2.28	0.0250	2.50		91.0	70-130	2.38	23	
Ethylbenzene	2.53	0.0250	2.50		101	70-130	2.87	27	
Toluene	2.44	0.0250	2.50		97.7	70-130	2.74	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	4.23	27	
p,m-Xylene	5.30	0.0500	5.00		106	70-130	4.04	27	
Total Xylenes	7.92	0.0250	7.50		106	70-130	4.10	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
	0.518		0.500		104	70-130			



QC Summary Data

		QC D	umm	ary Date	u.				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Charlie Sweene 23003-0002					Reported: 11/1/2024 11:27:56AM
Dallas TX, 75240		Project Manager:		Ashley Gioveng	;0				11/1/2024 11:27:56AM
	No	nhalogenated C	Organic	s by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443125-BLK1)							Prepared: 1	0/24/24 A	nalyzed: 10/30/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2443125-BS2)							Prepared: 1	0/24/24 A	nalyzed: 10/29/24
Gasoline Range Organics (C6-C10)	60.8	20.0	50.0		122	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
LCS Dup (2443125-BSD2)							Prepared: 1	0/24/24 A	nalyzed: 10/29/24
Gasoline Range Organics (C6-C10)	58.4	20.0	50.0		117	70-130	4.05	20	
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

				J					
Matador Resources, LLC.		Project Name:	Cł	narlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002					
Dallas TX, 75240		Project Manager:	: As	shley Gioveng	go				11/1/2024 11:27:56AM
	Nonh	alogenated Org	anics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2444089-BLK1)							Prepared: 10	0/30/24 A	Analyzed: 10/31/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	46.5		50.0		93.1	50-200			
LCS (2444089-BS1)							Prepared: 10	0/30/24 A	Analyzed: 10/31/24
Diesel Range Organics (C10-C28)	244	25.0	250		97.6	38-132			
Surrogate: n-Nonane	47.8		50.0		95.5	50-200			
LCS Dup (2444089-BSD1)							Prepared: 10	0/30/24 A	Analyzed: 10/31/24
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132	3.31	20	
Surrogate: n-Nonane	48.8		50.0		97.6	50-200			
CS Dup (2444089-BSD1) sel Range Organics (C10-C28)	252	25.0	250		101	38-132	•		Analyzed: 10/31/

QC Summary Data

		-		v					
Matador Resources, LLC.		Project Name:		Charlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager		23003-0002 Ashley Giovengo					11/1/2024 11:27:56AM
		Anions	by EPA	300.0/9056	۸				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443208-BLK1)							Prepared: 1	0/26/24	Analyzed: 10/28/24
Chloride	ND	20.0							
LCS (2443208-BS1)							Prepared: 1	0/26/24	Analyzed: 10/28/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2443208-BSD1)							Prepared: 1	0/26/24	Analyzed: 10/28/24
Chloride	251	20.0	250		100	90-110	0.225	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/01/24 11:27

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	e Information			Lab Use Only					TAT				State			
lient: N	Natad		uction Co				mpany: Ensolu			La	b WO#				-	ber		1D 2	D 3D	Std	NM		тх
			Sweene					tional Parks Hwy			410	NO# 100 Number 10						<u>Z</u>	X				
			ley Giov					rlsbad NM, 8822					-+ 4 1						,				
			nal Parks			Ph	one: 575-988-	0055						Anal	ysis	and I	Vieth	od			EP/	Program	n
ity, Sta	te, Zip	o: Carlsl	bad NM,	88220		<u>Er</u>	nail: agiovengo	o@ensolum.com	-											Ŀ	SDWA	CWA	RCRA
		88-0055				Mis	scellaneous:													F			and M
<u>mail: a</u>	giove	engo@er	nsolum.c	om	<u></u>						015	5									WSID #	2 Y	or N
					- Come	ole Informati		1			- A	٩ م	5	8	8	Σ	ř	etals		F	442ID #		
Time Sampled	Date	Sampled	Matrix	No. of Containers			Sample ID		Field Filter	Lab Numbe	색	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	ICEQ 1005 - TX	RCRA 8 Metals			ł	Remarks	
6.53	101-	22/2V	Soi\	1	1	F503	-21			1					-	X							
0:18						F517	-3)			2						X							
0:20					,	F519	-3			3						X							
0:22						F520	2-3/	<u>e</u>							_	X	_	=					
0:23						F521	-31 7-0-6			4						Д	_						
15:15		<u> </u>				5W07	7-0-6	<u> </u>		б						X		_	_				_
											_				_			+	_				
				_													_	\rightarrow	+				
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Additio	hal In:	structio	ns: Held	on Ice.	Please CC:	cburton@e	nsolum.com, agi	ovengo@ensolu	m.co	n, iestr	ella@o	 ensol	um.o	com,	bdea	al@e	nsolu	um.co	m, chan	nilton	@ensolu	m.com,	
osimmo	ns@e	ensolum	.com	Jauthentic	the of this same	la Lamaware th	at tampering with or in	tentionally mislabeling	the sar	nnle locati	ion date	ortim	e of co	llection	is con	sidere	d fraud	and m	v be grour	nds for le	gal action.		
		n Simmons		Buthentie	ity of this sump																•		
		: (Signatur		Dat 1 ()	0/23/24	Time 1120	Baceived by: (Sign		Date	.23-24	f I	120)				d or rec	elved pa	ked in ice at	t an avg te	mp above 0	n ice the day out less than (
Mic	hell		onzal	es Dat	.23.24	Time 1620	Received by: (Sign	1	Date /0 .	23,20	<u>4</u>	7	30			Rece	ived	on ice	<u> </u>	ab Use)/ N	Only		
Ls	<u>l</u> .	: (Signatur	-		.23.74	233	Received by thig	- Ivan	· G-	242		180	0			<u>T1</u>			<u></u>			T3	
•		: (Signatur	•	Dat		Time	Received by: (Sign	nature)	Date	ainer Tu	Time		<u>0-</u>			AVG			<u>4</u> s, v - VO				
					ueous, O - Othe		r arrangements are	made. Hazardous sa													r the analy	sis of the	above
amples is	applic	cable only	to those s	amples re	ceived by the	laboratory with	this COC. The liabi	lity of the laboratory	is limi	ted to the	e amoui	nt paid	i for o	n the	герог	t.							

Envirotech Analytical Laboratory

Client:	Matador Resources, LLC.	Date Received:	10/24/24	08:00		Work Order ID:	E410284
Phone:	(972) 371-5200 E	Date Logged In:	10/23/24	13:04		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/30/24	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does 1	the sample ID match the COC?		Yes				
2. Does 1	the number of samples per sampling site location match	n the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requeste	d 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.		Yes			<u>Commen</u>	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>			Г			
	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 tl	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are r minutes of sampling	eceived w/i 15	Yes				
	visible ice, record the temperature. Actual sample te	emperature: <u>4°</u>	<u> </u>				
	<u>Container</u>						
	aqueous VOC samples present?		No NA				
	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers?	rs collected?	Yes				
Field La			105				
	e field sample labels filled out with the minimum inform	nation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes	L			
	Collectors name?		No				
_	Preservation	10	• •				
	s the COC or field labels indicate the samples were pres	served?	No				
	sample(s) correctly preserved? o filteration required and/or requested for dissolved met	tals?	NA No				
		(a15)	INO				
	ase Sample Matrix	ი					
	s the sample have more than one phase, i.e., multiphase		No				
	s, does the COC specify which phase(s) is to be analyze	eu/	NA				
	ract Laboratory	_	_				
	samples required to get sent to a subcontract laboratory		No				
29. Was	a subcontract laboratory specified by the client and if s	o who?	NA	Subcontract Lab:	NA		

Client Instruction

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:

Charlie Sweeney Fed TB

Work Order: E410311

Job Number: 2303-0002

Received: 10/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/1/24

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: 11/1/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E410311 Date Received: 10/25/2024 5:30:00AM

Ashley Giovengo,

Page 140 of 251



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/25/2024 5:30:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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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		~J	

v		Sample Sum	mary		0
Matador Resources, LLC.		Project Name:	Charlie Sweeney Fe	ed TB	Donostada
5400 LBJ Freeway, Suite 1500		Project Number:	2303-0002		Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		11/01/24 08:09
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS10-0'	E410311-01A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.



	~	· ····································					
Matador Resources, LLC.	Project Nam	ie: Cha	rlie Sweeney Fed	TB			
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	3-0002			Reported:	
Dallas TX, 75240	Project Man	ager: Ash	ley Giovengo	11/1/2024 8:09:34AM			
		SS10-0'					
		E410311-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2443187	
Benzene	ND	0.0250	1	10/25/24	10/31/24		
Ethylbenzene	ND	0.0250	1	10/25/24	10/31/24		
Toluene	ND	0.0250	1	10/25/24	10/31/24		
p-Xylene	ND	0.0250	1	10/25/24	10/31/24		
p,m-Xylene	ND	0.0500	1	10/25/24	10/31/24		
Total Xylenes	ND	0.0250	1	10/25/24	10/31/24		
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/25/24	10/31/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2443187	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/24	10/31/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	10/25/24	10/31/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2443227	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/24	10/29/24		
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/24	10/29/24		
Surrogate: n-Nonane		111 %	50-200	10/26/24	10/29/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2444028	
Chloride	450	200	10	10/28/24	10/29/24		

Sample Data



QC Summary Data

		$\mathbf{x} \in \mathbb{R}$		ary Date					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Charlie Sweene 2303-0002 Ashley Gioveng					Reported: 11/1/2024 8:09:34AM
		Volatile Or	rganics	by EPA 802	1 B				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2443187-BLK1)							Prepared: 1	0/25/24 A	Analyzed: 10/31/24
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: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			
LCS (2443187-BS1)							Prepared: 1	0/25/24 A	Analyzed: 10/31/24
Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			
LCS Dup (2443187-BSD1)							Prepared: 1	0/25/24 A	Analyzed: 10/31/24
Benzene	5.24	0.0250	5.00		105	70-130	1.58	20	
Ethylbenzene	5.10	0.0250	5.00		102	70-130	1.48	20	
Toluene	5.20	0.0250	5.00		104	70-130	1.58	20	
o-Xylene	5.12	0.0250	5.00		102	70-130	1.35	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	1.45	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	1.42	20	
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			


QC Summary Data

Matador Resources, LLC.		Project Name:	(Charlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number	: 2	303-0002					
Dallas TX, 75240		Project Manage	r: A	Ashley Gioveng	go				11/1/2024 8:09:34AM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			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 (2443187-BLK1)							Prepared: 1	0/25/24 A	Analyzed: 10/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			
LCS (2443187-BS2)							Prepared: 1	0/25/24 A	Analyzed: 10/31/24
Gasoline Range Organics (C6-C10)	39.8	20.0	50.0		79.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			
LCS Dup (2443187-BSD2)							Prepared: 1	0/25/24 A	Analyzed: 10/31/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130	5.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			



QC Summary Data

		C		v					
Matador Resources, LLC.		Project Name:	Ch	narlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	03-0002					-
Dallas TX, 75240		Project Manager	:: As	shley Gioveng	go				11/1/2024 8:09:34AM
	Nonha	alogenated Org	ganics by]	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443227-BLK1)							Prepared: 1	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			
LCS (2443227-BS1)							Prepared: 1	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Steser Range Organies (C10-C20)									
	56.5		50.0		113	50-200			
Gurrogate: n-Nonane			50.0		113	50-200	Prepared: 1	0/26/24 <i>A</i>	Analyzed: 10/29/24
Surrogate: n-Nonane LCS Dup (2443227-BSD1) Diesel Range Organics (C10-C28)		25.0	50.0 250		113	50-200 38-132	Prepared: 10 7.37	0/26/24 A 20	Analyzed: 10/29/24



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 2	Charlie Sweene 2303-0002 Ashley Gioveng	•				Reported: 11/1/2024 8:09:34AM
		Anions	by EPA	300.0/90564	۱				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 (2444028-BLK1)							Prepared: 1	0/28/24	Analyzed: 10/28/24
Chloride	ND	20.0							
LCS (2444028-BS1)							Prepared: 1	0/28/24	Analyzed: 10/28/24
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2444028-BSD1)							Prepared: 1	0/28/24	Analyzed: 10/28/24
Chloride	249	20.0	250		99.5	90-110	0.102	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/01/24 08:09

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

Chain of Custody

	Clier	nt Inform	ation			Invoice Information			Lab Use Only							Т/	AT .	_	Stat	te	
ent: N	latador Prod	luction Co	ompan	V	Co	mpany: Ensolum LLC			Lab V			J	ob Nu	mber		1D	2D	3D	Std	NM CO UT	TX
	haclie					dress: 3122 National Parks H	wy			03/	1		1300						X	X	
	lanager: Asl				Cit	y, State, Zip: Carlsbad NM, 88	220														
	3122 Natio				Pho	one: 575-988-0055			Γ			A	\nalys	is and	l Met	hod				EPA Prog	am
y, Stat	e, Zip: Carls	bad NM, 8	88220		<u>En</u>	nail: agiovengo@ensolum.co	<u>om</u>													SDWA CWA	RCRA
one:	75-988-005	5			Mis	cellaneous:										1					
ail: a	<u> ;iovengo@e</u>	<u>nsolum.co</u>	om							8015					1		l		L H	Compliance Y	or N
							. i.			08 Å		я I		Σ	Ĕ	ta s				PWSID #	
				Sam	ple Informati	on			_			× 80	/ 826 Je 30	Z	505 -	Š				D	_
ime npled	Date Sampled	Matrix	No. of Containe	ns		Sample ID	Field	u La I Num	ib iber	DRO/ORO by 8015 680/D80 by 8015		BTEX by 8021	VOC by 8260 Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remark	s
52	10/23/24	soil	1	5	510 - 0)\ 		1						Х							
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		_									T										
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ditio	al Instructio	ns: Hold	on Ice	Diease CC	· churton@er	solum.com, agiovengo@ens	olum.ce	om, ie	strell		solu	Im.co	m. bd	eal@)enso	lum.	.L com.	char	niltor		
	ns@ensolum					serenneend agrotenbo@ens							,	20.0							•
ld sam	pler), attest to the	e validity and	authent	icity of this same	le. I am aware tha	t tampering with or intentionally mislab	ling the s	ample lo	cation,	date or t	time (of colle	ction is	conside	red fra	ud and	may b	e grou	nds for	legal action.	
pled by	Bowan Simmon	5																			
nquist	ed by: (Signatu	and the second	- ^D	ate 0/24/24	Time 1(00	Received by: (signature) Michelle Goorgan	es 10	24°	24		07			sam		eceived				st be received on ice the c temp above 0 but less tha	
equisi	ed by: (Signatu	re) a	D	ate	Time	Received by: (Signature)	Date	e	ľ	Time										e Only	
Vlia		onzal	28	0-25-24	0120	Noc Soto		-25-		05	30			Re	ceive	d on	ice:	ď	9/ N		
nquisl	ed by: (Signatu	re) 0		ate	Time	Received by: (Signature)	Date	e	-	Time				T1				<u>T2</u>		<u>T3</u>	
nquisi	ed by: (Signatu	re)	D	ate	Time	Received by: (Signature)	Date	e	İ	Time					/G Te	mp °	<	-1			
	rix: \$ - Soil, \$d - S					<u> </u>		ntainer						stic, a	g - am	hor a	acc	v - VC			
te: San	ples are discard	ded 14 days	after re	sults are repo	rted unless othe	r arrangements are made. Hazardou	s sample	s will be	e retur	ned to o	lien	t or di	sposed	of at t		ent exp	oense.	. The r	eport f	ior the analysis of th	e above
mples i	applicable only	y to those s	amples	received by the	e laboratory with	this COC. The liability of the laboration	tory is lin	nited to	the ar	nount p	baid f	for on	the rep	ort.							

Envirotech Analytical Laboratory

Client:	Matador Resources, LLC. D	ate Received:	10/25/24	05:30		Work Order ID:	E410311
Phone:	(972) 371-5200 D	ate Logged In:	10/25/24	06:04		Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com D	ue Date:	10/31/24	17:00 (4 day TAT))		
Chain of	f Custody (COC)						
1. Does t	the sample ID match the COC?		Yes				
2. Does t	the number of samples per sampling site location match	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	1 analyses?	Yes				
5. Were a	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in th	e field,				Commen	ts/Resolution
Saman la '	i.e, 15 minute hold time, are not included in this disucssion.					<u>commen</u>	ts/ IXESOIUTION
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes				
	· •		105				
Sample 7 Was a	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	he sample(s) received intact, i.e., not broken?						
	• • • • •		Yes				
	e custody/security seals present?		No				
-	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re minutes of sampling visible ice, record the temperature. Actual sample tem	ceived w/i 15	Yes <u>C</u>				
Sample	Container						
14. Are a	aqueous VOC samples present?		No				
15. Are V	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
18. Are 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes				
Field La							
	field sample labels filled out with the minimum inform	ation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes				
	Preservation		Yes				
	the COC or field labels indicate the samples were press	erved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved met	als?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase?	•	No				
	s, does the COC specify which phase(s) is to be analyze		NA				
•			11/1				
	ract Laboratory						
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA	Subcontract La	1 374		
/ - W/96	a subcourtact laboratory specified by the client and it so	N/DO7	NA	Nubcontract I c	DD: NIA		

Date

envirotech Inc.

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Charlie Sweeney Fed TB

Work Order: E410312

Job Number: 2303-0002

Received: 10/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/1/24

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: 11/1/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E410312 Date Received: 10/25/2024 5:30:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/25/2024 5:30:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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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		~ J	

v		Sample Sum	mary		6
Matador Resources, LLC.		Project Name:	Charlie Sweeney Fe	ed TB	Deperted
5400 LBJ Freeway, Suite 1500		Project Number:	2303-0002		Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		11/01/24 08:06
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS11-0'	E410312-01A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.



	2	ampie D				
Matador Resources, LLC.	Project Name	: Cha	rlie Sweeney Fed	ТВ		
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 2303	3-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			11/1/2024 8:06:36AM
		SS11-0'				
		E410312-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2443187
Benzene	ND	0.0250	1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/25/24	10/31/24	
Toluene	ND	0.0250	1	10/25/24	10/31/24	
p-Xylene	ND	0.0250	1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500	1	10/25/24	10/31/24	
Fotal Xylenes	ND	0.0250	1	10/25/24	10/31/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2443187
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/24	10/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2443227
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/26/24	10/29/24	
Surrogate: n-Nonane		109 %	50-200	10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2444028
Chloride	259	200	10	10/28/24	10/29/24	

Sample Data



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2.	harlie Sweene 303-0002 shley Gioveng					Reported: 11/1/2024 8:06:36AM
		Analyst: BA							
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
DLL (2442107 DI 1/1)							D	0/25/24	
Blank (2443187-BLK1)							Prepared: 1	0/23/24 P	analyzed: 10/31/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND ND	0.0250							
p,m-Xylene Total Xylenes	ND ND	0.0500 0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.99	0.0230	8.00		99.9	70-130			
LCS (2443187-BS1)							Prenared 1	0/25/24	analyzed: 10/31/24
· /	5.00				107		riepareu. I	0123124 F	maryzeu. 10/51/24
Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130 70-130			
Toluene	5.28 5.19	0.0250 0.0250	5.00 5.00		106 104	70-130			
o-Xylene p,m-Xylene	10.5	0.0250	10.0		104	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07	0.0230	8.00		101	70-130			
LCS Dup (2443187-BSD1)]	Prepared: 1	0/25/24 A	analyzed: 10/31/24
Benzene	5.24	0.0250	5.00		105	70-130	1.58	20	
Ethylbenzene	5.10	0.0250	5.00		102	70-130	1.48	20	
Toluene	5.20	0.0250	5.00		104	70-130	1.58	20	
o-Xylene	5.12	0.0250	5.00		102	70-130	1.35	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	1.45	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	1.42	20	
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			



QC Summary Data

Repo	orted:
11/1/2024	8:06:36AM
Analyst:	: BA
PD nit	
6 N	Notes
4 Analyzed: 1(0/31/24
4 Analyzed: 10	0/31/24
4 Analyzed: 10	0/31/24
)	
_	24 Analyzed: 1 20



QC Summary Data

		C		<i>.</i>					
Matador Resources, LLC.		Project Name:	Cł	narlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	03-0002					-
Dallas TX, 75240		Project Manager	:: As	shley Gioveng	go				11/1/2024 8:06:36AM
	Nonh	alogenated Org	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443227-BLK1)							Prepared: 1	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.4		50.0		105	50-200			
LCS (2443227-BS1)							Prepared: 1	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
lurrogate: n-Nonane	56.5		50.0		113	50-200			
LCS Dup (2443227-BSD1)							Prepared: 1	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132	7.37	20	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 2	Charlie Sweene 2303-0002 Ashley Gioveng	-				Reported: 11/1/2024 8:06:36AM
		Anions	by EPA	300.0/9056 A	۱.				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 (2444028-BLK1)							Prepared: 10	0/28/24	Analyzed: 10/28/24
Chloride	ND	20.0							
LCS (2444028-BS1)							Prepared: 10	0/28/24	Analyzed: 10/28/24
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2444028-BSD1)							Prepared: 10	0/28/24	Analyzed: 10/28/24
Chloride	249	20.0	250		99.5	90-110	0.102	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/01/24 08:06

ND Analyte NOT DETECTED at or above the reporting l	imit
---	------

- 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				Inv	oice Inf	ormation	_				La	b Us	e Or	ly				т	AT			Sta	te	
Client: N	Aatador Prod	luction Co	ompar	v		Com	pany: Ens	olum LL	. <u>.</u> .			ab ۱	NO#			Job	Num	ber		1D	2D	3D	Std			TX	
	Charlie								al Parks Hwy		[i	Ē	110	312			083		20	-			X				
	Anager: Asl								ad NM, 8822		۲	<u> </u>					-			-	• • • •	-	<i>y</i>	- <u>-</u>			
	3122 Natio						ne: 575-9					ſ				Ana	lysis	and	Met	hod				E	PA Prog	ram	
City, Stat	e, Zip: Carls	bad NM,	88220			Ema	ail: agiove	engo@e	nsolum.com			Ī										Γ		SDWA	CWA	RC	CRA
Phone:	575-988-005	5					ellaneous:										l					1		-		1	
Email: a	giovengo@e	nsolum.c	om										- 5	v,										Complia	nce Y	or	N
_						L							ŝ	/ 801			9	-	×	岩				PWSID			
				Sam	ple Infor	matio	n			L .			RO b	RO by	y 802	y 826(le 300	NZ -	005 - 1	8 Met					Damasal		
Time Sampled	Date Sampled	Matrix	No. o Contain			5	Sample ID			Field	Lat Num		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA B Metals					Remark	s	
13:56	10/23/24	soil	1	5	511 -	- 0	N				1							X									
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Addition	al Instructio	ns: Held	on Ice	Please CC	: cburtor	ı@ens	olum.com,	agiove	ngo@ensolu	l m.co	l m, ies	itrel	la@e	ensol	l lum.	L com,	 , bde	l al@d	enso	l lum.	l com	, cha	milto	n@ensc	lum.con	١,	
	ns@ensolum																								-		
	pler), attest to the Bowan Simmons		i autheni	icity of this samp	le. I am aw	are that	tampering with	or intentio	onally mislabeling	the sa	mple loc	ation,	, date	or tim	e of co	ollectio	n is co	nsider	ed frai	d and	i may l	be grou	inds fo	r legal actio	n.		
	ed by: (Signatu		-	ate 0/24/24	Time // D C	,	Peceived by: Michel	Signature	e) onzeles	Date	242		Time	(0)	0			samp	led or n	eceived					d on ice the o 0 but less th		
Religouish	ed byg/Signaty	re) a					Received by:	(Signature	e) 0	Date			Time			1		Sunce	nuent (L	.ab U	se Only	***		
1 Mic	helle G	onsal	es 1	0-5-24	6120	0	Noe	Sot	2		96-7.		05	30				Rec	eive	d on	ice:		ŋ/ 1	-			
Relinquish	ed by: (Signatur	re)	C	ate	Time		Received by:			Date			Time			1							<u>ر</u>	-			
	- d h /Ct				Ti		Department t	(Classe)	-1	Date			Time			4		T1				<u>T2</u>			<u>T3</u>		—
	ed by: (Signatu			ate	Time		Received by:	เวเซกสนทั่ง	e)				Time					AVO	G Ter	np °(1	-				
	rix: S - Soil, Sd - S										tainer																
	ples are discard applicable only																		ie clie	nt exp	pense	. The	report	for the ar	alysis of th	e abov	е
samples is	applicable only	to those s	ampies	eceived by the		y with t				-3 -4111		ane d		ir pair			. 190										

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Received by OCD: 12/2/2024 2:27:50 PM

Envirotech Analytical Laboratory

Client:	Matador Resources, LLC. Da	te Received:	10/25/24	05:30		Work Order ID:	E410312
Phone:	(972) 371-5200 Da	te Logged In:	10/25/24	06:06		Logged In By:	Noe Soto
Email:		e Date:	10/31/24	4 17:00 (4 day T	AT)		
Chain a	f Custody (COC)						
			Yes				
	the sample ID match the COC? the number of samples per sampling site location match t	he COC	Yes				
	samples dropped off by client or carrier?		Yes	Carri	er: Courier		
	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	Calli	ci. <u>Counci</u>		
	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in the	field,				Common	to/Decolution
	i.e, 15 minute hold time, are not included in this disucssion.					Commen	ts/Resolution
	Turn Around Time (TAT)		37				
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample			Ver				
	sample cooler received?		Yes				
• •	, was cooler received in good condition?		Yes				
	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 rec minutes of sampling visible ice, record the temperature. Actual sample tem 	eived w/i 15	Yes <u>C</u>				
Sample	Container_						
14. Are a	aqueous VOC samples present?		No				
15. Are '	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
18. Are 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes				
Field La	<u>abel</u>						
	e field sample labels filled out with the minimum informa	ition:					
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes Yes				
	Preservation		105				
	s the COC or field labels indicate the samples were preser	rved?	No				
	sample(s) correctly preserved?		NA				
	b filteration required and/or requested for dissolved metal	ls?	No				
Multiph	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?		No				
	s, does the COC specify which phase(s) is to be analyzed	!?	NA				
	tract Laboratory_		- •• •				
	samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract	I ah· NA		
=>. was	a succentrate facturery specified by the chefit and fi so		1171	Subconnaci	Lau. 11/1		







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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Charlie Sweeney Fed TB

Work Order: E410315

Job Number: 23003-0002

Received: 10/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/1/24

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: 11/1/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E410315 Date Received: 10/25/2024 5:30:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/25/2024 5:30:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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 Summarv

		Sample Sum	mai y		
Matador Resources, LLC.		Project Name:	Charlie Sweeney Fe	ed TB	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Reporteu.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		11/01/24 08:07
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
'S04-3'	E410315-01A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S05-5'	E410315-02A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S06-4'	E410315-03A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S09-4.5'	E410315-04A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S10-4'	E410315-05A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
S12-4'	E410315-06A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S13-3'	E410315-07A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S15-4'	E410315-08A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S16-4'	E410315-09A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S18-8'	E410315-10A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S20-3'	E410315-11A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'S23-0.5'	E410315-12A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
PH01-7'	E410315-13A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'H01-8'	E410315-14A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
BH03-9'	E410315-15A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
W01-0-3'	E410315-16A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
W02-0-4'	E410315-17A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
'W03-0-3'	E410315-18A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
W04-0-4'	E410315-19A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
W05-0-5'	E410315-20A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
W06-0-4'	E410315-21A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
W08-3-8'	E410315-22A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	: Chai	lie Sweene	y Fed TB			
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002				Reported:
Dallas TX, 75240	Project Manag	ger: Ashl	ey Gioveng	;o		11/1/2024 8:07:36AM	
		FS04-3'					
		E410315-01					
		Reporting					
Analyte	Result	Limit	Dilut	tion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2443189
Benzene	ND	0.0250	1	10/	25/24	10/30/24	
Ethylbenzene	ND	0.0250	1	10/	25/24	10/30/24	
Toluene	ND	0.0250	1	10/	25/24	10/30/24	
p-Xylene	ND	0.0250	1	10/	25/24	10/30/24	
o,m-Xylene	ND	0.0500	1	10/	25/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/	25/24	10/30/24	
Surrogate: Bromofluorobenzene		118 %	70-130	10/	25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	10/	25/24	10/30/24	
Surrogate: Toluene-d8		110 %	70-130	10/	25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/	25/24	10/30/24	
Surrogate: Bromofluorobenzene		118 %	70-130	10/	25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	10/	25/24	10/30/24	
Surrogate: Toluene-d8		110 %	70-130	10/	25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: NV			Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0	1	10/	26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/	26/24	10/29/24	
Surrogate: n-Nonane		105 %	50-200	10/	26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2444036
Chloride	597	200	10) 10/	28/24	10/29/24	

Sample Data



Sample Data

	r.	bample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Num		rlie Sween 03-0002	ey Fed 7	ГВ		Reported:
Dallas TX, 75240	Project Mana		ley Gioven	11/1/2024 8:07:36AM			
		FS05-5'					
		E410315-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/30/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/30/24	
Toluene	ND	0.0250		1	10/25/24	10/30/24	
p-Xylene	ND	0.0250		1	10/25/24	10/30/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/30/24	
Fotal Xylenes	ND	0.0250		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		120 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		120 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		103 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2444036
Chloride	1230	200		10	10/28/24	10/29/24	



Sample Data

	D	ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 230	rlie Sweer)3-0002 ley Giover	,	ГВ		Reported: 11/1/2024 8:07:36AM
		FS06-4'					
		E410315-03					
Analyte	Result	Reporting Limit	D:	lution	Prepared	Analyzed	Notes
Anaryte	Kesuit		DI		*	Analyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/30/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/30/24	
Toluene	ND	0.0250		1	10/25/24	10/30/24	
p-Xylene	ND	0.0250		1	10/25/24	10/30/24	
p,m-Xylene	ND	0.0500		1	10/25/24	10/30/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		118 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		118 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		95.8 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2444036
Chloride	854	200		10	10/28/24	10/29/24	



Sample Data

	D	ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	rlie Sween)3-0002 ley Gioven	-	ΓB		Reported: 11/1/2024 8:07:36AM
		FS09-4.5'					
		E410315-04					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/30/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/30/24	
Toluene	ND	0.0250		1	10/25/24	10/30/24	
o-Xylene	ND	0.0250		1	10/25/24	10/30/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/30/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		96.0 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	1190	200		10	10/28/24	10/29/24	



Sample Data

	D	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	rlie Sween 03-0002 ley Giover	5	ГВ		Reported: 11/1/2024 8:07:36AM
		FS10-4'					
		E410315-05					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/30/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/30/24	
Foluene	ND	0.0250		1	10/25/24	10/30/24	
o-Xylene	ND	0.0250		1	10/25/24	10/30/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/30/24	
Fotal Xylenes	ND	0.0250		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		109 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		109 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		104 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2444036
Chloride	1060	200		10	10/28/24	10/29/24	



Sample Data

	D	ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	rlie Sween)3-0002 ley Giover	5	ГВ		Reported: 11/1/2024 8:07:36AM
		FS12-4'					
		E410315-06					
Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/30/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/30/24	
Toluene	ND	0.0250		1	10/25/24	10/30/24	
p-Xylene	ND	0.0250		1	10/25/24	10/30/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/30/24	
Fotal Xylenes	ND	0.0250		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		10/25/24	10/30/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		106 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	842	200		10	10/28/24	10/29/24	



Sample Data

	D	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 2300	rlie Sweeney)3-0002 ley Gioveng			Reported: 11/1/2024 8:07:36AM
		FS13-3'				
		E410315-07				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2443189
Benzene	ND	0.0250	1	10/25/24	10/30/24	
Ethylbenzene	ND	0.0250	1	10/25/24	10/30/24	
Toluene	ND	0.0250	1	10/25/24	10/30/24	
p-Xylene	ND	0.0250	1	10/25/24	10/30/24	
o,m-Xylene	ND	0.0500	1	10/25/24	10/30/24	
Fotal Xylenes	ND	0.0250	1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		114 %	70-130	10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	10/25/24	10/30/24	
Surrogate: Toluene-d8		109 %	70-130	10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/24	10/30/24	
Surrogate: Bromofluorobenzene		114 %	70-130	10/25/24	10/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	10/25/24	10/30/24	
Surrogate: Toluene-d8		109 %	70-130	10/25/24	10/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/26/24	10/29/24	
Surrogate: n-Nonane		103 %	50-200	10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2444036
Chloride	730	200	10	10/28/24	10/29/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	rlie Sween)3-0002 ley Giover	5	ГВ		Reported: 11/1/2024 8:07:36AM
		FS15-4'					
		E410315-08					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
p,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Fotal Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		98.7 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	960	200		10	10/28/24	10/29/24	



Sample Data

		ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 230	rlie Sween 03-0002 ley Giover	5	ΓB		Reported: 11/1/2024 8:07:36AM
		FS16-4'					
		E410315-09					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		98.3 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	479	200		10	10/28/24	10/29/24	



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	D	ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		rlie Sweene 03-0002	Reported:			
Dallas TX, 75240	Project Manager: Ashley Giovengo						11/1/2024 8:07:36AM
		FS18-8'					
		E410315-10					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Fotal Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		106 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	547	200	1	0	10/28/24	10/29/24	



	S	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	rlie Sweeney )3-0002 ley Giovengo			<b>Reported:</b> 11/1/2024 8:07:36AM
		FS20-3'				
		E410315-11				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	analyst: RKS		Batch: 2443189
Benzene	ND	0.0250	1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250	1	10/25/24	10/31/24	
Toluene	ND	0.0250	1	10/25/24	10/31/24	
p-Xylene	ND	0.0250	1	10/25/24	10/31/24	
p,m-Xylene	ND	0.0500	1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250	1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130	10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: RKS	Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130	10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/24	10/29/24	
Surrogate: n-Nonane		102 %	50-200	10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2444036
Chloride	944	200	10	10/28/24	10/29/24	



## Sample Data

		bample D	aca				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	rlie Sween 03-0002 ley Giover	5	Έ		<b>Reported:</b> 11/1/2024 8:07:36AM
		FS23-0.5'					
		E410315-12					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
o-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Fotal Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		109 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		109 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		103 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	312	200		10	10/28/24	10/29/24	



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Sample Data											
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	rlie Sween 03-0002 ley Giover	5	ΓB		<b>Reported:</b> 11/1/2024 8:07:36AM				
		PH01-7'									
		E410315-13									
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2443189				
Benzene	ND	0.0250		1	10/25/24	10/31/24					
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24					
Toluene	ND	0.0250		1	10/25/24	10/31/24					
p-Xylene	ND	0.0250		1	10/25/24	10/31/24					
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24					
Fotal Xylenes	ND	0.0250		1	10/25/24	10/31/24					
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/31/24					
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		10/25/24	10/31/24					
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2443189						
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24					
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/31/24					
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		10/25/24	10/31/24					
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	Analyst: NV			Batch: 2443226					
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24					
Dil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24					
Surrogate: n-Nonane		87.8 %	50-200		10/26/24	10/29/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444036					
Chloride	816	200		10	10/28/24	10/29/24					


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	5	ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	rlie Sweend )3-0002 ley Gioven	-	ΈB		<b>Reported:</b> 11/1/2024 8:07:36AM
		PH01-8'					
		E410315-14					
Analyte	Result	Reporting Limit	Dib	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Fotal Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		113 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: RKS			Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		113 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2443226	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		101 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	ND	200	1	10	10/28/24	10/29/24	



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		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	rlie Sweene 03-0002 ley Gioven		ΓB		<b>Reported:</b> 11/1/2024 8:07:36AM
		BH03-9'					
		E410315-15					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV		Analyst: NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		103 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	ND	200	1	10	10/28/24	10/29/24	



# Sample Data

		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	rlie Sweene )3-0002 ley Gioven	5	̈́Β		<b>Reported:</b> 11/1/2024 8:07:36AM
		SW01-0-3'					
		E410315-16					
Analyte	Result	Reporting Limit	Dih	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
p,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2443226	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		106 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	929	200	1	0	10/28/24	10/29/24	



# Sample Data

	~•	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	rlie Sween )3-0002 ley Gioven	5	̈́Β		<b>Reported:</b> 11/1/2024 8:07:36AM
		SW02-0-4'					
		E410315-17					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2443226	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		111 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	693	200		10	10/28/24	10/29/24	



#### **Sample Data**

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	rlie Sweer )3-0002 ley Giover	5	ΓB		<b>Reported:</b> 11/1/2024 8:07:36AM
		SW03-0-3'					
	-	E410315-18					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Foluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		113 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		113 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2443226	
Diesel Range Organics (C10-C28)	40.5	25.0		1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	53.1	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		110 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	440	40.0		2	10/28/24	10/29/24	



# Sample Data

		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	rlie Sween )3-0002 ley Giover	5	̈́Β		<b>Reported:</b> 11/1/2024 8:07:36AM
		SW04-0-4'					
		E410315-19					
Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		111 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2443226	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		104 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2444036
Chloride	1030	200		10	10/28/24	10/29/24	



#### **Sample Data**

	D	ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	rlie Sweer )3-0002 ley Giover	5	ΓB		<b>Reported:</b> 11/1/2024 8:07:36AM
		SW05-0-5'					
		E410315-20					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2443189
Benzene	ND	0.0250		1	10/25/24	10/31/24	
Ethylbenzene	ND	0.0250		1	10/25/24	10/31/24	
Toluene	ND	0.0250		1	10/25/24	10/31/24	
p-Xylene	ND	0.0250		1	10/25/24	10/31/24	
o,m-Xylene	ND	0.0500		1	10/25/24	10/31/24	
Total Xylenes	ND	0.0250		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2443189	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/25/24	10/31/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/25/24	10/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		10/25/24	10/31/24	
Surrogate: Toluene-d8		110 %	70-130		10/25/24	10/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		NV		Batch: 2443226
Diesel Range Organics (C10-C28)	ND	25.0		1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0		1	10/26/24	10/29/24	
Surrogate: n-Nonane		108 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2444036
Chloride	1530	200		10	10/28/24	10/29/24	



# Sample Data

		ampic D	uu			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 230	rlie Sweeney Fed 7 03-0002 ley Giovengo	ГВ		<b>Reported:</b> 11/1/2024 8:07:36AM
		SW06-0-4'				
		E410315-21				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Analyst: BA		Batch: 2443187
Benzene	ND	0.0250	1	10/25/24	11/01/24	
Ethylbenzene	ND	0.0250	1	10/25/24	11/01/24	
Toluene	ND	0.0250	1	10/25/24	11/01/24	
p-Xylene	ND	0.0250	1	10/25/24	11/01/24	
o,m-Xylene	ND	0.0500	1	10/25/24	11/01/24	
Total Xylenes	ND	0.0250	1	10/25/24	11/01/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/25/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2443187
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/24	11/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	10/25/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2443227
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/24	10/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/24	10/29/24	
Surrogate: n-Nonane		113 %	50-200	10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: JM		Batch: 2444030
Chloride	1190	200	10	10/28/24	10/29/24	



# Sample Data

		ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	rlie Sweeney Fed 7 03-0002 ley Giovengo	ГВ		<b>Reported:</b> 11/1/2024 8:07:36AM
		SW08-3-8'				
		E410315-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: BA		Batch: 2443187
Benzene	ND	0.0250	1	10/25/24	11/01/24	
Ethylbenzene	ND	0.0250	1	10/25/24	11/01/24	
Toluene	ND	0.0250	1	10/25/24	11/01/24	
p-Xylene	ND	0.0250	1	10/25/24	11/01/24	
o,m-Xylene	ND	0.0500	1	10/25/24	11/01/24	
Total Xylenes	ND	0.0250	1	10/25/24	11/01/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/25/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: BA		Batch: 2443187
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/24	11/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	10/25/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2443227
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/24	10/29/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/26/24	10/29/24	
Surrogate: n-Nonane		117 %	50-200	10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: JM		Batch: 2444030
Chloride	1130	200	10	10/28/24	10/29/24	



# **QC Summary Data**

		<b>V</b> C D	u111114		•				
Matador Resources, LLC.		Project Name:		narlie Sweeney 003-0002	Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:			_				1/1/2024 0.07.26
Dallas TX, 75240		Project Manager:	As	shley Giovengo	0			1	1/1/2024 8:07:36AM
	V	olatile Organic	c Compo	unds by EP	A 8260B	5			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443189-BLK1)							Prepared: 10	0/25/24 Ana	alyzed: 10/30/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.554		0.500		111	70-130			
LCS (2443189-BS1)							Prepared: 10	0/25/24 Ana	alyzed: 10/30/24
Benzene	2.25	0.0250	2.50		89.9	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.6	70-130			
Toluene	2.30	0.0250	2.50		92.2	70-130			
o-Xylene	2.45	0.0250	2.50		97.9	70-130			
p,m-Xylene	4.86	0.0500	5.00		97.1	70-130			
Total Xylenes	7.30	0.0250	7.50		97.4	70-130			
Surrogate: Bromofluorobenzene	0.602		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			
LCS Dup (2443189-BSD1)							Prepared: 10	0/25/24 Ana	alyzed: 10/30/24
Benzene	2.53	0.0250	2.50		101	70-130	12.0	23	
Ethylbenzene	2.66	0.0250	2.50		106	70-130	14.9	27	
Toluene	2.65	0.0250	2.50		106	70-130	13.8	24	
o-Xylene	2.77	0.0250	2.50		111	70-130	12.4	27	
p,m-Xylene	5.53	0.0500	5.00		110	70-130	12.9	27	
p,in Ayrene		0.0050	7.50		111	70-130	12.7	27	
Total Xylenes	8.29	0.0250	/100						
Total Xylenes	8.29 0.582	0.0250	0.500		116	70-130			
		0.0250				70-130 70-130			



# **QC Summary Data**

		<u> </u>							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Charlie Sweene 23003-0002 Ashley Gioveng					<b>Reported:</b> 11/1/2024 8:07:36AM
		Volatile Or	rganics	by EPA 802	1 <b>B</b>				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 (2443187-BLK1)						]	Prepared: 1	0/25/24 A	nalyzed: 10/31/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			
LCS (2443187-BS1)						]	Prepared: 1	0/25/24 A	analyzed: 10/31/24
Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			
LCS Dup (2443187-BSD1)							Prepared: 1	0/25/24 A	analyzed: 10/31/24
Benzene	5.24	0.0250	5.00		105	70-130	1.58	20	
Ethylbenzene	5.10	0.0250	5.00		102	70-130	1.48	20	
Toluene	5.20	0.0250	5.00		104	70-130	1.58	20	
p-Xylene	5.12	0.0250	5.00		102	70-130	1.35	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	1.45	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	1.42	20	



# **QC Summary Data**

Matador Resources, LLC.		Project Name:	C	harlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number	: 2	3003-0002					•
Dallas TX, 75240		Project Manage	r: A	shley Gioven	go				11/1/2024 8:07:36AM
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			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 (2443187-BLK1)							Prepared: 1	0/25/24	Analyzed: 10/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			
LCS (2443187-BS2)							Prepared: 1	0/25/24	Analyzed: 10/31/24
Gasoline Range Organics (C6-C10)	39.8	20.0	50.0		79.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			
LCS Dup (2443187-BSD2)							Prepared: 1	0/25/24	Analyzed: 10/31/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130	5.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			



# **QC Summary Data**

		QC D	umm	lai y Data	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Charlie Sweene 23003-0002 Ashley Gioveng					<b>Reported:</b> 11/1/2024 8:07:36AM
Danas IA, 73240		Project Manager:		Ashiey Gloveng	,0 				11/1/2024 8.07.30AW
	No	nhalogenated C	Organic	s by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443189-BLK1)							Prepared: 1	0/25/24 A	nalyzed: 10/30/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.554		0.500		111	70-130			
LCS (2443189-BS2)							Prepared: 1	0/25/24 A	nalyzed: 10/30/24
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130			
Surrogate: Bromofluorobenzene	0.595		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.560		0.500		112	70-130			
LCS Dup (2443189-BSD2)							Prepared: 1	0/25/24 A	nalyzed: 10/30/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.5	70-130	6.00	20	
Surrogate: Bromofluorobenzene	0.599		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.562		0.500		112	70-130			



# **QC Summary Data**

Matador Resources, LLC.		Project Name:	Ch	arlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	. 23	003-0002					
Dallas TX, 75240		Project Manager	: As	hley Gioveng	<u>5</u> 0				11/1/2024 8:07:36AM
	Nonha	logenated Org	ganics by ]	EPA 8015E	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443226-BLK1)							Prepared: 10	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0						
	50.0		50.0		101	50-200			
LCS (2443226-BS1)	50.0		50.0		101	50-200	Prepared: 10	0/26/24 A	Analyzed: 10/29/24
LCS (2443226-BS1) Diesel Range Organics (C10-C28)	265	25.0	250		101	50-200 38-132	Prepared: 10	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)		25.0			-		Prepared: 10	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			Analyzed: 10/29/24 Analyzed: 10/29/24
· · · ·	265	25.0	250		106	38-132			-



# **QC Summary Data**

		<b>C</b>		v					
Matador Resources, LLC.		Project Name:	Ch	arlie Sweene	y Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	. 23	003-0002					
Dallas TX, 75240		Project Manager	: As	shley Gioveng	go				11/1/2024 8:07:36AM
	Nonha	alogenated Org	ganics by ]	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443227-BLK1)							Prepared: 1	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			
LCS (2443227-BS1)							Prepared: 1	0/26/24 A	Analyzed: 10/29/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
steser Rulige Organies (010 020)									
	56.5		50.0		113	50-200			
Gurrogate: n-Nonane	56.5		50.0		113	50-200	Prepared: 1	0/26/24 <i>A</i>	Analyzed: 10/29/24
Surrogate: n-Nonane LCS Dup (2443227-BSD1) Diesel Range Organics (C10-C28)	56.5	25.0	50.0 250		113	50-200 38-132	Prepared: 1 7.37	0/26/24 A 20	Analyzed: 10/29/24



# **QC Summary Data**

		-		v					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Charlie Sweene 23003-0002	y Fed TB				Reported:
Dallas TX, 75240		Project Manager		Ashley Gioveng	go				11/1/2024 8:07:36AM
		Anions	by EPA	300.0/9056	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 (2444030-BLK1)							Prepared: 1	0/28/24 A	nalyzed: 10/29/24
Chloride	ND	20.0							
LCS (2444030-BS1)							Prepared: 1	0/28/24 A	nalyzed: 10/29/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2444030-BSD1)							Prepared: 1	0/28/24 A	nalyzed: 10/29/24
Chloride	253	20.0	250		101	90-110	0.323	20	



# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 2	Charlie Sweene 23003-0002 Ashley Gioveng	-				<b>Reported:</b> 11/1/2024 8:07:36AM
Danas IA, 75240		, 0		<b>300.0/9056</b>					Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2444036-BLK1)							Prepared: 10	0/28/24	Analyzed: 10/29/24
Chloride	ND	20.0							
LCS (2444036-BS1)							Prepared: 10	0/28/24	Analyzed: 10/29/24
Chloride	256	20.0	250		103	90-110			
LCS Dup (2444036-BSD1)							Prepared: 10	0/28/24	Analyzed: 10/29/24
Chloride	256	20.0	250		102	90-110	0.346	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/01/24 08:07

- 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.

# Released to Imaging: 12/30/2024 10:11:10 AM

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#### **Chain of Custody**

_						Chain of	cusi														
	Clie	nt Inform	natio	n		Invoice Information					Lab	Use	e On	ly				T/	٩T		State
	latador Proc					ompany: Ensolum LLC		L	ab W	VO#				Num			1D	2D	3D	Std	NM CO UT TX
	<u>charlie</u> S					ddress: 3122 National Parks Hw		µ	<u>E4</u>	03	15		730	203	-00	92				$\mathbf{\Sigma}$	
	lanager: As					ty, State, Zip: Carlsbad NM, 882	20		-				_								
	3122 Natio e, Zip: Carls					one: 575-988-0055			⊢				Ana	iysis	and	met	nod		<u> </u>	$\rightarrow$	SDWA CWA RCRA
	75-988-005		0044	.0		mail: agiovengo@ensolum.con scellaneous:	<u>n</u>													- H	SDWA CWA RCRA
	iovengo@e		om			scenaneous.														Ē	Compliance Y or N
										8015	8015			0			2				PWSID #
				Sam	ole Informati	ion	-			Å Q	<u>ک</u>	802	8260	300	NN N	5-D	Meta				
Time iampled	Date Sampled	Matrix		), of siners		Sample ID	Field Eilter	Lab Numb	o ber	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1:45	10/23/24	5011	1		504-			1							χ						Page
4:5ff					505-			2							χ						
21.15					506 -			3							χ						
2:53					509-			4							χ						
1:56					-510 -			5					_		X						
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						n this COC. The liability of the laborator			. etain				-			: uer	n exp	ense.	mere	port f	or the analysis of the above

#### **Chain of Custody**

Client Information					-						-				1
	Invoice Information						e On	<u> </u>				TA			State
ent: Matador Production Company	Company: Ensolum LLC			WO#							1D	2D	3D S	Std	NM CO UT TX
oject: Charlie Sweeney Fed TB	Address: 3122 National Parks Hwy		ᆡᆂᆞ	410	315		230	000	3-00	02				<u> </u>	
oject Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220	<u>)                                    </u>	-			_		l			h a d				
Idress: 3122 National Parks Hwy	Phone: 575-988-0055		-1			-	Ana	iysis	and	ivieti	noa	<u> </u>			EPA Program
ty, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com		-											3	
none: 575-988-0055 nail: agiovengo@ensolum.com	Miscellaneous:													Con	npliance Y or
				8015	8015										SID #
Sa	nple Information	· · ·		A A	Â	3021	28	300.	Σ	Ϋ́-	Aetal			<u> </u>	
Time Date Sampled Matrix No. of Containers		Field Eilter Z	Lab umber	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
	7520-3		1			-	-		Σ	_					
23 10/23/24 Soil 1	F523-0.5		12						Ϋ́				_		· · · ·
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	B PHO1-8								$\frac{\Delta}{\sqrt{2}}$						
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			17						X						
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2:56	5w05 - 0-4		20						X						· · · · ·
ditional Instructions: Held on Ice. Please C	C: cburton@ensolum.com, agiovengo@ensolu	m.com,	iestre	ella@e	ensolu	um.c	:om,	bdea	al@e	nsol	um.c	om, e	chami	ilton@	ensolum.com,
simmons@ensolum.com															
field sampler), attest to the validity and authenticity of this sar	nple. I am aware that tampering with or intentionally mislabeling	the sampl	e locatio	on, date	or time	of col	lectior	n is coi	nsidere	d frau	d and n	nay be	ground	ds for lega	laction.
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elinguished by: (Signature) Date	Time Received by: (Signature)	UNU Care	-14	Time	100					-	-	-			above 0 but less than 6 °C or
	Time Received by: (Signature)	Date	01	Time						uent di				b Use O	
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elinguished by: (Signature)	Time Received by: (Signature)	Date	101	Time										,	
									T1				T2		<u>T3</u>
elinquished by: (Signature) Date	Time Received by: (Signature)	Date		Time					AVG	Ten	np °C_	_4			
mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - O	ther	Contai	ner Typ	pe: g -	glass,	<b>p</b> - p	oly/p						- VOA		
ote: Samples are discarded 14 days after results are rep	orted unless other arrangements are made. Hazardous sar									e clier	t expe	nse. 1	The rep	port for t	he analysis of the above
mples is applicable only to those samples received by t	he laboratory with this COC. The liability of the laboratory	is limited	to the	amour	nt paid	for o	n the	repor	t.						

# Released to Imaging: 12/30/2024 10:11:10 AM

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#### **Chain of Custody**

											-				
Client Information	Invoice Information						e On	-				TA			State
lient: Matador Production Company	Company: Ensolum LLC		Lab V E 4	WO#	21			Num			1D	2D	3D S	td	
roject: Charlie Sweeney Fed TB	Address: 3122 National Parks Hwy		E٦	10	<u> 71.</u>	>	23	$\omega$	)-20	52				K	X
roject Manager: Ashley Giovengo	<u>City, State, Zip: Carlsbad NM, 88220</u> Phone: 575-988-0055		г				4.000	heir	and	Mat	hed			<u> </u>	
ddress: 3122 National Parks Hwy		<u> </u>	-			-	Ana	iiysis	ano	wet	ποα		<u> </u>	SD	EPA Program
ity, State, Zip: Carlsbad NM, 88220 hone: 575-988-0055	Email: agiovengo@ensolum.com Miscellaneous:													30	
mail: agiovengo@ensolum.com	Miscellaneous.													Com	pliance Y or N
				8015	8015						s				bid #
Sample	nformation			à	Ā	3021	260	300.0	WN	т. Т	fetal				
Time Date Sampled Matrix No. of Containers	Sample ID	La La La La	ab nber	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Page State NM CO UT TX EPA Program WA CWA RCRA Pliance Y or N iID # Remarks
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dditional Instructions: Held on Ice. Please CC: cb	rton@ensolum.com, agiovengo@ensolum	n.com, ie:	strell	la@e	ensol	um.e	com,	bde	al@e	ensol	um.c	om,	chami	lton@e	nsolum.com,
simmons@ensolum.com												_			
(field sampler), attest to the validity and authenticity of this sample. 1	m aware that tampering with or intentionally mislabeling th	ne sample lo	cation,	, date o	or time	e of co	llectio	n is co	nsidere	ed frau	d and r	nay be	ground	s for legal a	action.
ampled by: Bowan Simmons							-		1						
elinquisted by: (Signature) Date Time IÒ/24/24 /	00 Received by: (Signature) 00 Nichelle Gonzales	Date 1024-2	4		100	>			sample	-	ceived p	-			eceived on ice the day they are above 0 but less than 6 °C on
elinquished by (Signature) Date Time		Date		Time	-								Lab	Use Or	nly
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elinquished by: (Signature) Date Time	Received by: (Signature)	Date	ľ	Time									_		
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ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other lote: Samples are discarded 14 days after results are reported t		Container									Jer gla	155, V	- vUA	0# 60-4-	a analysis of the character
lote: Samples are discarded 14 days after results are reported i amples is applicable only to those samples received by the labo										e citer	n expe		ne rep	ore for th	e analysis of the above
Inpice is applicable only to those samples received by the labo	teres, which this cost the hability of the laboratory is	teu to	and di	ouri				- apoi							

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

	Matador Resources, LLC.	Date Received:	10/25/24 0	5:30	Work Order ID:	E410315
Phone:	(972) 371-5200 I	Date Logged In:	10/25/24 0	6:18	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com I	Due Date:	10/31/24 1	7:00 (4 day TAT)		
<u>Chain o</u>	f Custody (COC)					
1. Does 1	the sample ID match the COC?		Yes			
2. Does f	the number of samples per sampling site location match	n the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tł	ne COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were a	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		Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	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 tł	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are r minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	<u>C</u>			
Sample	<u>Container</u>	-				
	aqueous VOC samples present?		No			
15. Are '	VOC samples collected in VOA Vials?		NA			
	-					
	e head space less than 6-8 mm (pea sized or less)?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA			
16. Is the 17. Was	· · · ·					
16. Is the 17. Was 18. Are 1	a trip blank (TB) included for VOC analyses?	rs collected?	NA			
16. Is the 17. Was 18. Are 1	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container	rs collected?	NA Yes			
<ol> <li>16. Is the</li> <li>17. Was</li> <li>18. Are r</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container bel e field sample labels filled out with the minimum inform		NA Yes			
<ul> <li>16. Is the</li> <li>17. Was</li> <li>18. Are r</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container <u>bel</u> e field sample labels filled out with the minimum inform Sample ID?		NA Yes			
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16. Is the 17. Was 18. Are r 19. Is the <b>Field La</b> 20. Were <u>S</u> <u>I</u> ( <u>C</u> 21. Does 22. Are s 24. Is lab <u>Multiph</u>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container. bel field sample labels filled out with the minimum inforr Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were press sample(s) correctly preserved? o filteration required and/or requested for dissolved met ase Sample Matrix	nation: served? tals?	NA Yes Yes Yes Yes No NA No			
16. Is the 17. Was 18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lab Multiph 26. Does	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container. <u>bel</u> field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> a the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved met <u>ase Sample Matrix</u> the sample have more than one phase, i.e., multiphase	nation: served? tals? ?	NA Yes Yes Yes Yes No NA No			
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16. Is the 17. Was 18. Are r 19. Is the <b>Field La</b> 20. Were 20. Were 21. Does 22. Are s 24. Is lat <u>Multiph</u> 26. Does 27. If ye:	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container. bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were press sample(s) correctly preserved? o filteration required and/or requested for dissolved met ase Sample Matrix is the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyze ract Laboratory.	nation: served? tals? ? ed?	NA Yes Yes Yes Yes No NA No No			
16. Is the 17. Was 18. Are r 19. Is the <b>Field La</b> 20. Were 20. Were 21. Does 22. Are s 24. Is lab <b>Multiph</b> 26. Does 27. If yes <b>Subcont</b> 28. Are s	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved met ase Sample Matrix the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyze	nation: served? tals? ? ed? ?	NA Yes Yes Yes Yes No NA No	Subcontract Lab: NA		



Date

envirotech Inc.

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

Released to Imaging: 12/30/2024 10:11:10 AM





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:

Charlie Sweeney Fed TB

Work Order: E411124

Job Number: 23003-0002

Received: 11/13/2024

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 11/13/24

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: 11/13/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E411124 Date Received: 11/13/2024 6:30:00AM

Ashley Giovengo,



Page 204 of 251

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2024 6:30:00AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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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Title Page	1
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Sample Summary	4
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FS11 - 4'	5
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QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

FS14 - 4'

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Charlie Sweeney Fe 23003-0002	ed TB	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		11/13/24 14:06
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS11 - 4'	E411124-01A	Soil	11/12/24	11/13/24	Glass Jar, 2 oz.

11/12/24

11/13/24

Glass Jar, 2 oz.

Soil

E411124-02A

	S	ample D	ata			
Matador Resources, LLC.	Project Name	e: Cha	rlie Sweeney Fee			
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			11/13/2024 2:06:24PM
		FS11 - 4'				
		E411124-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446070
Benzene	ND	0.0250	1	11/12/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/13/24	
Toluene	ND	0.0250	1	11/12/24	11/13/24	
o-Xylene	ND	0.0250	1	11/12/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/12/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/12/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	11/12/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2446070
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/12/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2446074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/13/24	
Surrogate: n-Nonane		91.7 %	50-200	11/13/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2446084
Chloride	ND	200	10	11/13/24	11/13/24	



#### Sample Data

	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	rlie Sweeney Fed 7 03-0002 ley Giovengo		<b>Reported:</b> 11/13/2024 2:06:24PM	
		FS14 - 4'				
		E411124-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: BA		Batch: 2446070
Benzene	ND	0.0250	1	11/12/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/12/24	11/13/24	
Toluene	ND	0.0250	1	11/12/24	11/13/24	
p-Xylene	ND	0.0250	1	11/12/24	11/13/24	
o,m-Xylene	ND	0.0500	1	11/12/24	11/13/24	
Fotal Xylenes	ND	0.0250	1	11/12/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	11/12/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: BA		Batch: 2446070
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/12/24	11/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: RAS		Batch: 2446074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/13/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/13/24	
Surrogate: n-Nonane		84.1 %	50-200	11/13/24	11/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: DT		Batch: 2446084
Chloride	ND	200	10	11/13/24	11/13/24	



# **QC Summary Data**

		$\mathbf{z} \in \mathbb{R}$		<u> </u>					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Charlie Sweene 3003-0002 Ashley Gioveng					<b>Reported:</b> 11/13/2024 2:06:24PM
			Analyst: BA						
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	iiig/ kg	ing/kg	mg/kg	ing/kg	70	70	70	70	Notes
Blank (2446070-BLK1)						I	Prepared: 1	1/12/24 <i>A</i>	Analyzed: 11/12/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			
LCS (2446070-BS1)						I	Prepared: 1	1/12/24 <i>A</i>	Analyzed: 11/12/24
Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.3	70-130			
LCS Dup (2446070-BSD1)						I	Prepared: 1	1/12/24 A	Analyzed: 11/12/24
Benzene	5.30	0.0250	5.00		106	70-130	1.63	20	
Ethylbenzene	5.21	0.0250	5.00		104	70-130	1.86	20	
Toluene	5.28	0.0250	5.00		106	70-130	1.62	20	
o-Xylene	5.22	0.0250	5.00		104	70-130	1.80	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	1.82	20	
Total Xylenes	15.8	0.0250	15.0		106	70-130	1.82	20	
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			



# **QC Summary Data**

		<b>Y Y Y</b>	, <b>M</b> 111111	ary Duc	~					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number		Charlie Sweene 23003-0002	y Fed TB				Reported:	
Dallas TX, 75240		Project Manage	r:	Ashley Gioveng	go			11/13/2024 2:06:24PM		
	No	onhalogenated	Organic	s by EPA 80	15D - G	RO			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 (2446070-BLK1)							Prepared: 1	1/12/24 A	nalyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130				
LCS (2446070-BS2)							Prepared: 1	1/12/24 A	nalyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		81.9	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130				
LCS Dup (2446070-BSD2)							Prepared: 1	1/12/24 A	nalyzed: 11/12/24	
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.3	70-130	0.459	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130				



# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	Charlie Sweene 3003-0002 Ashley Gioveng					<b>Reported:</b> 11/13/2024 2:06:24PM
		, ,		300.0/9056 <i>A</i>	-				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 (2446084-BLK1)							Prepared: 1	1/13/24	Analyzed: 11/13/24
Chloride	ND	20.0							
LCS (2446084-BS1)							Prepared: 1	1/13/24	Analyzed: 11/13/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2446084-BSD1)							Prepared: 1	1/13/24	Analyzed: 11/13/24
Chloride	252	20.0	250		101	90-110	0.321	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/24 14:06

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**

	Clie	nt Inform	ation	· · · · · · · · · · · · · · · · · · ·	Invoice Information			Lab Use Only							TAT			State		
Client. M	Aatador Prod				Company: Ensolum LLC			ab WO			Joh N	Iumh	ber	+			Std			
	Charlie Swe				Address: 3122 National Parks Hwy			<b>41</b>	124	1	25	03	$\cdot \omega$	ZF	X	) 3D	510	X		
	Anager: As				City, State, Zip: Carlsbad NM		─┝┺			•		~ ~								
	3122 Natio				Phone: 575-988-0055		_				Anal	ysis a	and N	leth	od			EPA Program		
	e, Zip: Carls				Email: agiovengo@ensolu	m.com	_		1			í T		Т				SDWA CWA RCRA		
	575-988-005				Miscellaneous:															
	giovengo@e		om					5	6									ompliance Y or N		
						1		5	8			2	_	×	se		- [	PWSID #		
				Sample Infor	mation			ڭ آ	چ م	802	8260	м М	ŽZ	S	Met					
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID			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		
0832	11/12/24	5	~	F5	511 - 4 ¹		1						X					Page State NM CO UT TX X EPA Program SDWA CWA RCRA SDWA CWA RCRA compliance Y or N PWSID # Remarks		
0833	11/12/24	5	(		14 - 41		2						X							
				<u> </u>	<u> </u>				$\mathbf{T}$	┢				╈						
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				<u> </u>					+			-		+						
Addition	al Instructio	ns: Plea	ase CC: cb	urton@ensolum.	com, agiovengo@ensolum.co	m. chamilto	n@ens	solum.	com											
											llestien					the group	de for l			
ampled by	:Chad Ham	ilton			are that tampering with or intentionally n	<u> </u>					ALCCION									
telinquish	ed by: (Signatu	re)	Date   ( /	Time 12/24 1124	Michelle Gon	roles II-	n-2	4 Time	245	5				or rece	ived pac	•		t be received on ice the day they are temp above 0 but less than 6 °C on		
telinguish	ed by: (Signatur	re)	Date	224 Ine	Received by: (Signature)	Date	n.1	Time	74		]-				Lab Use Only d on ice: (Y) / N					
	ed by: (Signatur	- You	Date	Time	Decrived by Senature)	Date	12.7		14	<u>⁄</u>	1		<b>T</b> 4				,,	<b>T</b> 2		
C.A Relinquish	ed by: (Signatur	re)	Date		Received by: (Signature)	Date	02	Time		0					•	. <u>1</u> 2		<u> </u>		
						Cont	in or T		-				AVG			-I-	A			
	rix: S - Soil, Sd - S				- other arrangements are made. Haza			Type: g										or the analysis of the above		
					with this COC. The liability of the la									chent	expen	se, me re	eportin	or the analysis of the above		

# **Envirotech Analytical Laboratory**

Client:	Matador Resources, LLC.	Date Received:	11/13/24	06:30	Work Order ID:	E411124
Phone:	(972) 371-5200	Date Logged In:	11/12/24	13:52	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/13/24	17:00 (0 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	tion match 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 con i.e, 15 minute hold time, are not included in this		Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited 7	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 tł	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			
	he sample received on ice? If yes, the recorded tem Note: Thermal preservation is not required, if sa minutes of sampling visible ice, record the temperature. Actual	mples are received w/i 15	Yes <u>C</u>			
Sample	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or le	ess)?	NA			
17. Was	a trip blank (TB) included for VOC analyses?	)	NA			
18. Are 1	non-VOC samples collected in the correct cor	tainers?	Yes			
19. Is the	appropriate volume/weight or number of sample	e containers collected?	Yes			
Field La	bel					
	field sample labels filled out with the minim	um information:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		No			
_	the COC or field labels indicate the samples	were preserved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for diss	olved metals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., n	ultiphase?	No			
	s, does the COC specify which phase(s) is to	-	NA			
			11/1			
	ract Laboratory	-1	ът.			
	samples required to get sent to a subcontract l a subcontract laboratory specified by the clies		No 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:

Charlie Sweeney Fed TB

Work Order: E411204

Job Number: 23003-0002

Received: 11/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/21/24

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: 11/21/24

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

Project Name: Charlie Sweeney Fed TB Workorder: E411204 Date Received: 11/20/2024 6:15:12AM

Ashley Giovengo,



Page 216 of 251

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/20/2024 6:15:12AM, under the Project Name: Charlie Sweeney Fed TB.

The analytical test results summarized in this report with the Project Name: Charlie Sweeney Fed 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 Sum	Sample Summary					
Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Demonstrade				
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:				
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/24 12:14				

Client Sample ID	Lab Sample ID Matrix	Sampled Received	Container
SS02 - 0'	E411204-01A Soil	11/18/24 11/20/24	Glass Jar, 2 oz.
SS05 - 0'	E411204-02A Soil	11/18/24 11/20/24	Glass Jar, 2 oz.
SS06 - 0'	E411204-03A Soil	11/18/24 11/20/24	Glass Jar, 2 oz.



SS02 - 0' E411204-01 Reporting Analyte Result Limit Dilution Prepared Analyzed	<b>Reported:</b> 11/21/2024 12:14:15PM
F411204-01         Reporting         Analyte       Result       Limit       Dilution       Prepared       Analyzed         Volatile Organics by EPA 8021B       mg/kg       mg/kg       Analyst: SL       SL         Benzene       ND       0.0250       1       11/20/24       11/20/24         Ethylbenzene       ND       0.0250       1       11/20/24       11/20/24         Toluene       ND       0.0250       1       11/20/24       11/20/24         o-Xylene       ND       0.0250       1       11/20/24       11/20/24         MD       0.0500       1       11/20/24       11/20/24       11/20/24         MD       0.0500       1       11/20/24       11/20/24       11/20/24         MD       0.0500       1       11/20/24       11/20/24       11/20/24         MD       0.0250       1       11/20/24       11/20/24       11/20/24	
Reporting           Analyte         Result         Limit         Dilution         Prepared         Analyzed           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: SL         Scale           Benzene         ND         0.0250         1         11/20/24         11/20/24           Schylbenzene         ND         0.0250         1         11/20/24         11/20/24           Foluene         ND         0.0250         1         11/20/24         11/20/24           o-Xylene         ND         0.0250         1         11/20/24         11/20/24           opm-Xylene         ND         0.0500         1         11/20/24         11/20/24           ofotal Xylenes         ND         0.0250         1         11/20/24         11/20/24	
Analyte         Result         Limit         Dilution         Prepared         Analyzed           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: SL         SL           Benzene         ND         0.0250         1         11/20/24         11/20/24           Ethylbenzene         ND         0.0250         1         11/20/24         11/20/24           Toluene         ND         0.0250         1         11/20/24         11/20/24           o-Xylene         ND         0.0250         1         11/20/24         11/20/24           p,m-Xylene         ND         0.0500         1         11/20/24         11/20/24           Total Xylenes         ND         0.0250         1         11/20/24         11/20/24	
Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: SL           Benzene         ND         0.0250         1         11/20/24         11/20/24           Ethylbenzene         ND         0.0250         1         11/20/24         11/20/24           Toluene         ND         0.0250         1         11/20/24         11/20/24           o-Xylene         ND         0.0250         1         11/20/24         11/20/24           p,m-Xylene         ND         0.0500         1         11/20/24         11/20/24           Total Xylenes         ND         0.0250         1         11/20/24         11/20/24	
ND         0.0250         1         11/20/24         11/20/24           Ethylbenzene         ND         0.0250         1         11/20/24         11/20/24           Toluene         ND         0.0250         1         11/20/24         11/20/24           o-Xylene         ND         0.0250         1         11/20/24         11/20/24           p,m-Xylene         ND         0.0500         1         11/20/24         11/20/24           Total Xylenes         ND         0.0250         1         11/20/24         11/20/24	Notes
Ethylbenzene       ND       0.0250       1       11/20/24       11/20/24         Foluene       ND       0.0250       1       11/20/24       11/20/24         p-Xylene       ND       0.0250       1       11/20/24       11/20/24         p-xylene       ND       0.0250       1       11/20/24       11/20/24         p-xylene       ND       0.0500       1       11/20/24       11/20/24         Fotal Xylenes       ND       0.0250       1       11/20/24       11/20/24	Batch: 2447049
ND     0.0250     1     11/20/24     11/20/24       Foluene     ND     0.0250     1     11/20/24     11/20/24       p.m-Xylene     ND     0.0500     1     11/20/24     11/20/24       fotal Xylenes     ND     0.0250     1     11/20/24     11/20/24	
ND         0.0250         1         11/20/24         11/20/24           p.m-Xylene         ND         0.0500         1         11/20/24         11/20/24           fotal Xylenes         ND         0.0250         1         11/20/24         11/20/24	
ND         0.0500         1         11/20/24         11/20/24           fotal Xylenes         ND         0.0250         1         11/20/24         11/20/24	
ND         0.0250         1         11/20/24         11/20/24	
Surrogate: 4-Bromochlorobenzene-PID 99.8% 70-130 11/20/24 11/20/24	
77.070 70150	
Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: SL	Batch: 2447049
Gasoline Range Organics (C6-C10)         ND         20.0         1         11/20/24         11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID 88.9% 70-130 11/20/24 11/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: NV	Batch: 2447047
Diesel Range Organics (C10-C28) ND 25.0 1 11/20/24 11/20/24	
Dil Range Organics (C28-C36)         ND         50.0         1         11/20/24         11/20/24	
Surrogate: n-Nonane 102 % 50-200 11/20/24 11/20/24	
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: DT	Batch: 2447056
Chloride <b>293</b> 40.0 2 11/20/24 11/20/24	

## Sample Data



## Sample Data

	0	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	rlie Sweeney Fed ' 03-0002 ley Giovengo	ТВ		<b>Reported:</b> 11/21/2024 12:14:15PM
		SS05 - 0'				
		E411204-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: SL		Batch: 2447049
Benzene	ND	0.0250	1	11/20/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/20/24	
Toluene	ND	0.0250	1	11/20/24	11/20/24	
p-Xylene	ND	0.0250	1	11/20/24	11/20/24	
o,m-Xylene	ND	0.0500	1	11/20/24	11/20/24	
Fotal Xylenes	ND	0.0250	1	11/20/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/20/24	11/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447049
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.4 %	70-130	11/20/24	11/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: NV		Batch: 2447047
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Gurrogate: n-Nonane		98.1 %	50-200	11/20/24	11/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: DT		Batch: 2447056
Chloride	157	40.0	2	11/20/24	11/20/24	



## Sample Data

	b	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numl		Charlie Sweeney Fed TB 23003-0002			Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			11/21/2024 12:14:15PM
		SS06 - 0'				
		E411204-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: SL		Batch: 2447049
Benzene	ND	0.0250	1	11/20/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/20/24	11/20/24	
Toluene	ND	0.0250	1	11/20/24	11/20/24	
p-Xylene	ND	0.0250	1	11/20/24	11/20/24	
o,m-Xylene	ND	0.0500	1	11/20/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/20/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		88.5 %	70-130	11/20/24	11/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447049
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	11/20/24	11/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: NV		Batch: 2447047
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
Surrogate: n-Nonane		104 %	50-200	11/20/24	11/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2447056
Chloride	86.4	20.0	1	11/20/24	11/20/24	



## **OC Summary Data**

		<u><u><u>v</u></u><u>v</u><u>v</u></u>			<u> </u>				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Charlie Sweene 23003-0002 Ashley Gioveng					<b>Reported:</b> 11/21/2024 12:14:15PM
		Volatile O	rganics	by EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447049-BLK1)							Prepared: 1	1/20/24	Analyzed: 11/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130			
LCS (2447049-BS1)							Prepared: 1	1/20/24	Analyzed: 11/20/24
Benzene	4.54	0.0250	5.00		90.7	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.44	0.0250	5.00		88.8	70-130			
p-Xylene	4.31	0.0250	5.00		86.2	70-130			
p,m-Xylene	8.75	0.0500	10.0		87.5	70-130			
Total Xylenes	13.1	0.0250	15.0		87.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.3	70-130			
LCS Dup (2447049-BSD1)							Prepared: 1	1/20/24	Analyzed: 11/20/24
Benzene	4.69	0.0250	5.00		93.8	70-130	3.34	20	
Ethylbenzene	4.45	0.0250	5.00		89.1	70-130	3.28	20	
Toluene	4.59	0.0250	5.00		91.8	70-130	3.30	20	
p-Xylene	4.45	0.0250	5.00		89.0	70-130	3.22	20	
p,m-Xylene	9.05	0.0500	10.0		90.5	70-130	3.27	20	
Total Xylenes	13.5	0.0250	15.0		90.0	70-130	3.25	20	
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			



## **QC Summary Data**

Fed TB				Reported:
				11/21/2024 12:14:15PM
5D - GRC	)			Analyst: SL
Rec	Rec Limits	RPD	RPD Limit	
%	%	%	%	Notes
		Prepared: 11	/20/24 /	Analyzed: 11/20/24
92.7	70-130			
		Prepared: 11	/20/24 /	Analyzed: 11/20/24
71.9	70-130			
92.4	70-130			
		Prepared: 11	/20/24 /	Analyzed: 11/20/24
79.8	70-130	10.4	20	
93.0	70-130			
)	Rec % 92.7 71.9 92.4 79.8	5D - GRO Rec Limits % % 92.7 70-130 71.9 70-130 92.4 70-130 79.8 70-130	5D - GRO Rec Limits RPD % % % % Prepared: 11 92.7 70-130 92.4 70-130 92.4 70-130 Prepared: 11 71.9 Prepared: 11 71.9 10-130 92.4 70-130	5D - GRO Rec Limits RPD Limit % % % % % Prepared: 11/20/24 4 92.7 70-130 92.4 70-130 92.4 70-130 Prepared: 11/20/24 4 71.9 70-130 92.4 70-130



## **QC Summary Data**

Matador Resources, LLC.		Project Name:	Cl	narlie Sweeney	Fed TB				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002					
Dallas TX, 75240		Project Manager	: A	shley Gioveng	0				11/21/2024 12:14:15PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447047-BLK1)							Prepared: 1	1/19/24 A	nalyzed: 11/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
a									
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			
Surrogate: n-Nonane	48.6		50.0		97.2	50-200	Prepared: 1	1/19/24 A	nalyzed: 11/19/24
LCS (2447047-BS1)	48.6 269	25.0	50.0		97.2	<i>50-200</i> 38-132	Prepared: 1	1/19/24 A	analyzed: 11/19/24
LCS (2447047-BS1) Diesel Range Organics (C10-C28)							Prepared: 1	1/19/24 A	analyzed: 11/19/24
LCS (2447047-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane	269		250		108	38-132			nalyzed: 11/19/24 nalyzed: 11/19/24
Ŭ	269		250		108	38-132			



## **QC Summary Data**

		-		v					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Charlie Sweene 23003-0002	y Fed TB				Reported:
Dallas TX, 75240		Project Manager		Ashley Gioveng	go				11/21/2024 12:14:15PM
		Anions	by EPA	300.0/9056	۸				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447056-BLK1)							Prepared: 1	1/20/24 A	nalyzed: 11/20/24
Chloride	ND	20.0							
LCS (2447056-BS1)							Prepared: 1	1/20/24 A	nalyzed: 11/20/24
Chloride	252	20.0	250		101	90-110			
LCS Dup (2447056-BSD1)							Prepared: 1	1/20/24 A	nalyzed: 11/20/24
Chloride	253	20.0	250		101	90-110	0.177	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/24 12:14

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**

Project: Cha Project Mani Address: 31 City, State, Z Phone: 575- Email: agiov	ador Produ arlie Swee nager: Ash 122 Nation Zip: Carlsb		_		Invoice Information			_										
Project: Cha Project Mani Address: 31 City, State, Z Phone: 575- Email: agiov	arlie Swee nager: Ash 122 Nation Zip: Carlsb		mnany		Invoice Information				Lab Use Only					TAT			State	
Project: Cha Project Mana Address: 31 City, State, Z Phone: 575- Email: agiov	arlie Swee nager: Ash 122 Nation Zip: Carlsb		JUNDANCY	Client: Matador Production Company				Lab WQ	#		Job I	Numl	per		1D 2D 3D Std			NM CO UT TX
Address: 31 City, State, Z Phone: 575- Email: agiov	122 Nation Zip: Carlsb		Project: Charlie Sweeney Fed TB			Company: Ensolum LLC Address: 3122 National Parks Hwy			Lab WQ# Job Number E411204 23003-0002				2 []	<b>X X X</b>				
City, State, Z Phone: 575- Email: agiov -	Zip: Carlsb	ley Giov	engo		City, State, Zip: Carlsbad NM,	88220												
Phone: 575- Email: agiov		al Parks	<u>Hwy</u>		Phone: 575-988-0055						Ana	lysis	and N	leth	od			EPA Program
<u>Email: agiov</u>		ad NM,	88220		Email: agiovengo@ensolum	.com												SDWA CWA RCRA
	9999-0022				Miscellaneous:							1						
	vengo@en	solum.c	om					្ត	8015									ompliance Y or N
<b>T</b>						;•		×	8	1	9	8	Σ	ž	쯡		P	WSID #
There				Sample	Information			- ĝ	1 g	8	, 826	е 30	ž	ŝ	ž			<b>0</b>
Time Sampled Dat	ate Sampled	Matrix	No. of Containers		Sample ID	Field	La Num	pro/oro by sols	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
9:42 11,	1/18/2024	S	1		SS02 - 0'		]						x					
9:44 11,	1/18/2024	S	1		SS05 - 0'		2		Γ				x					
9:46 11,	1/18/2024	S	1		SS06 - 0'		2	5					x					
							-											
									-									
								_	-				$\rightarrow$		_	+		
										-				_		+		
				ļ			_											
			-			1												
dditional I	Instruction	ns: Held	on Ice. I	Please CC: cb	urton@ensolum.com, agiovengo@e	nsolum.	com, ie:	strella@	enso	lum.	com,	char	nilton	@en	solum	.com,	bsimm	nons@ensolum.com
(field sampler), ampled by: Bow		validity and	authenticity	y of this sample. I	am aware that tampering with or intentionally mis	labeling the	sample lo	cation, dat	e or tin	ne of co	llection	n is con	sidered	fraud	and may	be groun	ds for le	gal action.
Relinquished b		e)	Date		0:30 Michelle Gonz	reg	ite 1_19-	X4 Tim	03	0			sampled	or rece	ived pack	•		be received on ice the day they are mp above 0 but less than 6 °C on
Relinquished b		e) mzale	Date				1.10	1 (/ 1			1		Rocoi		on ice:	$\sim$	b Use / N	Only
Relinquished by	y (Constant by: (Signature		Date	Tim	e Received by (Signature)	9	1.7.7		<u>.</u> 1.15	-	1		71	veul	on ice:		,, 14	T3
elinquished b	by: (Signature	e)	Date	/9.2 <b>(</b> 7	Received by: (Signature)	D	ite	<u>7 ()</u> Tim	• <u> </u>				11		0	<u>元</u> 仏		<u> </u>
omolo Bénériu- f	6 - Coil Ed. C-	lid Ca El		nour 0 - Other			ontainer	Type: g	- glac	5. 10 - 1			AVG			7		
Sample Matrix: S					unless other arrangements are made. Hazard										-			r the analysis of the above
					pratory with this COC. The liability of the labo													

## **Envirotech Analytical Laboratory**

### Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	11/20/24	06:15	Work Order ID:	E411204
hone:	(972) 371-5200 I	Date Logged In:	11/19/24	15:14	Logged In By:	Noe Soto
Email:		Due Date:	11/20/24	17:00 (0 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	ed analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did tl	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 1	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are r minutes of sampling		Yes			
13. If no	o visible ice, record the temperature. Actual sample to	emperature: 4°	С			
Sample	Container	·				
	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is th	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containe	ers collected?	Yes			
Field La	abel					
20. Wer	e field sample labels filled out with the minimum inform	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u> s the COC or field labels indicate the samples were pres	served?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved me	etals?	No			
	nase Sample Matrix		1.0			
	s the sample have more than one phase, i.e., multiphase	s9	No			
	es, does the COC specify which phase(s) is to be analyz		No NA			
	tract Laboratory		INA			
Subser						
-		.9	NT			
28. Are	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA	Subcontract Lab: NA		

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



•



# APPENDIX E

# NMOCD Correspondence

Released to Imaging: 12/30/2024 10:11:10 AM

From:	Hamlet, Robert, EMNRD
To:	Ashley Giovengo
Cc:	Jason Touchet; arsenio.jones@matadorresources.com; Cole Burton; Chad Hamilton; Wells, Shelly, EMNRD; Bratcher, Michael, EMNRD
Subject:	Background Chloride Variance Request - Charlie Sweeney Fed Tank Battery - nAPP2425041943
Date:	Tuesday, September 24, 2024 10:54:18 AM
Attachments:	image006.png image007.png image008.png

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

Ashley,

I think we need to throw out BG03, since it sits in an area with very little vegetation. Probably some previous activity in that location. If you average BG02 with the other background numbers, it's probably going to be pretty close to the previous variance approval of 1,328 mg/kg for chlorides. The variance request for closure criteria standards for a background chloride limit of 1,328 mg/kg, 3 feet below ground surface is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Regards,

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave.| Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, September 24, 2024 9:45 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Background Chloride Variance Request - Charlie Sweeney Fed Tank Battery - nAPP2425041943

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, September 24, 2024 8:46 AM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>; Wells, Shelly, EMNRD

<<u>Shelly.Wells@emnrd.nm.gov</u>>; Jason Touchet <<u>jason.touchet@matadorresources.com</u>>; Arsenio Jones <<u>arsenio.jones@matadorresources.com</u>>

**Cc:** Cole Burton <<u>cburton@ensolum.com</u>>; Chad Hamilton <<u>chamilton@ensolum.com</u>> **Subject:** [EXTERNAL] Background Chloride Variance Request - Charlie Sweeney Fed Tank Battery nAPP2425041943

# 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 background chloride variance at the Charlie Sweeney Fed Tank Battery (Site) (Incident Number nAPP2425041943). On September 06, 2024, a failure on a dump line on a heater treater resulted in the release of approximately 11 barrels (bbls) of produced water; 2 bbls were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on September 06, 2024, via web portal. 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-04037 POD1 with a reported depth to groundwater measurement of 60 feet below ground surface (bgs); the well is within a half-mile radius of the Site and the date of the last recorded measurement was on August 28, 2017. 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. The closest significant watercourse is an intermittent Dry Wash located approximately 833 feet northwest of the Site. The Site is underlain by unstable geology (high potential karst designation area) however there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX 100 mg/kg GRO/DRO/ORO and 600 mg/kg chloride. Lateral and vertical delineation sampling will be completed in accordance will the strictest Closure Criteria per NMOCD Table I.

On January 31, 2024, Ensolum personnel advanced six boreholes (BH01 through BH06) from areas that had not been previously disturbed by oil and gas operations at depths ranging from ground surface to 10 feet bgs at the Site (See Figure 3). Laboratory analytical results indicated the presence of naturally occurring chloride concentrations in soil exceeding 600 parts per million (ppm) (also measured as mg/kg) in four out of the six undisturbed areas, with a maximum chloride concentration of 11,800 mg/kg detected at BG03. When detected, the elevated concentrations generally occurred between ground surface and approximately 3 feet bgs. Sulfate concentrations in all samples were generally elevated and concentrations ranged from 275 mg/kg in BG02 to 26,100 mg/kg in BG06 (See Table 3).

On May 17, 2024, NMOCD approved a background chloride limit of 1,328 mg/kg based on the attached background sampling data collected at the Site and in association with incident number (nAPP2425041943). Matador is requesting this *background chloride variance* in order to remediate/excavate soils in the release area that exceed 1,328 mg/kg chloride. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the regional geology with documented elevated

chloride levels at or near the Site, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2425041943).

Thanks,



Ashley Giovengo Senior Scientist

575-988-0055 Ensolum, LLC in f X

"Your authenticity is your superpower." - Unknown

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

Page 1233eof 251

QUESTIONS

Action 393124

Operator:		OGRID:
	MATADOR PRODUCTION COMPANY	228937
	One Lincoln Centre	Action Number:
	Dallas, TX 75240	393124
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2425041943			
Incident Name	NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0			
Incident Type	Produced Water Release			
Incident Status	Initial C-141 Approved			
Incident Facility	[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery			

#### Location of Release Source

Site Name	CHARLIE SWEENEY FED TANK BATTERY		
Date Release Discovered	09/06/2024		
Surface Owner	Private		

#### Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,016
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/21/2024
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	32.2553575,-104.1199707

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

CONDITION	IS .
CONDITION	0

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	393124
	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.	10/16/2024		

CONDITIONS

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

Page 1235e of 251

QUESTIONS

Action 393131

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	393131
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2425041943			
Incident Name	NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0			
Incident Type	Produced Water Release			
Incident Status	Initial C-141 Approved			
Incident Facility	[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery			

#### Location of Release Source

Site Name	CHARLIE SWEENEY FED TANK BATTERY	
Date Release Discovered	09/06/2024	
Surface Owner	Private	

#### Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,016
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/22/2024
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	32.2553575,-104.1199707

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	393131
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

0	CONDITIONS		
	Created By	Condition	Condition Date
ſ	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.	10/16/2024

#### CONDITIONS

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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 393136

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	393136
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites		
Incident ID (n#) nAPP2425041943		
Incident Name	NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	
Incident Facility	[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery	

#### Location of Release Source

Site Name	CHARLIE SWEENEY FED TANK BATTERY	
Date Release Discovered	09/06/2024	
Surface Owner	Private	

#### Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	4,016	
What is the estimated number of samples that will be gathered	21	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/23/2024	
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	32.2553575,-104.1199707	

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District IV

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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

COND	PINOIT
	GRIUIT

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	393136
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

1	CONDITIONS	3		
	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.	10/16/2024	

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District III

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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

Action 393139

Operator		OGRID:
	MATADOR PRODUCTION COMPANY	228937
	One Lincoln Centre	Action Number:
	Dallas, TX 75240	393139
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425041943
Incident Name	NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery

#### Location of Release Source

Site Name	CHARLIE SWEENEY FED TANK BATTERY
Date Release Discovered	09/06/2024
Surface Owner	Private

#### Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,016
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/24/2024
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	32.2553575,-104.1199707

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	393139
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITION	3	
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.	10/16/2024

CONDITIONS

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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

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QUESTIONS

Action 393141

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	393141
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425041943
Incident Name	NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery

#### Location of Release Source

Site Name	CHARLIE SWEENEY FED TANK BATTERY
Date Release Discovered	09/06/2024
Surface Owner	Private

#### Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,016
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/25/2024
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	32.2553575,-104.1199707

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	393141
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS	3	
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.	10/16/2024

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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

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QUESTIONS

Action 400142

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400142
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425041943
Incident Name	NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery

#### Location of Release Source

Site Name	CHARLIE SWEENEY FED TANK BATTERY
Date Release Discovered	09/06/2024
Surface Owner	Private

#### Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	4,016	
What is the estimated number of samples that will be gathered	2	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/12/2024	
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	32.2553575,-104.1199707	

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District III

CONDITIONS

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400142
	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.	11/6/2024

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со	NDITIONS

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

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Action 407687

QUESTIONS		
	OGRID:	
		220027

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	407687
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### QUESTIONS

Prerequisites	
nAPP2425041943	
NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0	
Produced Water Release	
Deferral Request Received	
[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery	
-	

#### Location of Release Source

Please	answer all the questions in this group.	
		1

Site Name	CHARLIE SWEENEY FED TANK BATTERY
Date Release Discovered	09/06/2024
Surface Owner	Private

#### Incident Details

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

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure   Dump Line   Produced Water   Released: 11 BBL   Recovered: 2 BBL   Lost: 9 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Νο	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

QUESTIONS, Page 2

Action 407687

QUESTIONS	(continued)
QUED HONO	

Operator:		OGRID:
MATADO	OR PRODUCTION COMPANY	228937
One Lin	ncoln Centre	Action Number:
Dallas,	TX 75240	407687
		Action Type:
		[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	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 Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remedi	Not answered. ation 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.		
Sussection A of 19.15.23.11 INWAG, please prepare and attach an information needed for closure evaluation in the follow-up C+1+1 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: 09/11/2024	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	407687
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

#### **Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission	Yes		
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)	33500		
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	429		
GRO+DRO (EPA SW-846 Method 8015M)	250		
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 ef which 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 NMAC,		
On what estimated date will the remediation commence	10/21/2024		
On what date will (or did) the final sampling or liner inspection occur	11/12/2024		
On what date will (or was) the remediation complete(d)	11/12/2024		
What is the estimated surface area (in square feet) that will be reclaimed	2200		
What is the estimated volume (in cubic yards) that will be reclaimed	252		
What is the estimated surface area (in square feet) that will be remediated	3682		
What is the estimated volume (in cubic yards) that will be remediated	600		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.			

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

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QUESTIONS, Page 3

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

QUESTIONS, Page 4

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Action 407687

**QUESTIONS** (continued) OGRID: Operator MATADOR PRODUCTION COMPANY 228937 One Lincoln Centre Action Number Dallas, TX 75240 407687 Action Type [C-141] Deferral Request C-141 (C-141-v-Deferral) QUESTIONS Remediation Plan (continued) Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal Not answered OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Yes What is the name of the NMED facility R360 Red Bluff (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered. (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Name: Jason Touchet Title: EHS Field Rep I hereby agree and sign off to the above statement Email: jason.touchet@matadorresources.com Date: 12/02/2024

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.

### Released to Imaging: 12/30/2024 10:11:10 AM

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

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QUESTIONS, Page 5

Action 407687

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QUESTIONS	(continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	407687
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each o	the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes	
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	heater treater, pipe rack, and vapor recovery tower	
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1447	
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	214	
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or with the well or facility is plugged or abandoned, whichever comes first.		
Enter the facility ID (f#) on which this deferral should be granted Not answered.		
Enter the well API (30-) on which this deferral should be granted	30-015-43699 CHARLIE SWEENEY 31 23 28 RB #121H	
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/02/2024	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	407687
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	400142	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/12/2024	
What was the (estimated) number of samples that were to be gathered	2	
What was the sampling surface area in square feet	4016	

Remediation Closure Request

Released to Imaging: 12/30/2024 10:11:10 AM

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. Requesting a remediation closure approval with this submission No

Action 407687

QUESTIONS, Page 6

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General Information Phone: (505) 629-6116

CONDITIONS

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

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CONDITIONS

Action 407687

Condition Date

12/30/2024

CONDITIONS			
Operator:	OGRID:		
MATADOR PRODUCTION COMPANY	228937		
One Lincoln Centre	Action Number:		
Dallas, TX 75240	407687		
	Action Type:		
	[C-141] Deferral Request C-141 (C-141-v-Deferral)		

Created By Condition	
rhamlet Matador's deferral requests final remediation for (Incident Number NAPP2425041943) until final reclamation of the well pad or major construction, whichever comes first. Ensolum and Matador do not believe deferment will result in imminent risk to human health, the environment, or groundwater. T impacted soil is the shaded area on figure 4 that is limited to the area around active production equipment, where remediation would require a major for deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The rele	facility

will remain open in OCD database files and reflect an open environmental issue.