



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.

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

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.

Charlie Sweeney Fed TB



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

A handwritten signature in black ink, appearing to read "Ashley Giovengo".

Ashley Giovengo
Senior Scientist

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

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 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Confirmation Floor Soil Samples)
Table 3	Soil 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



Site Receptor Map

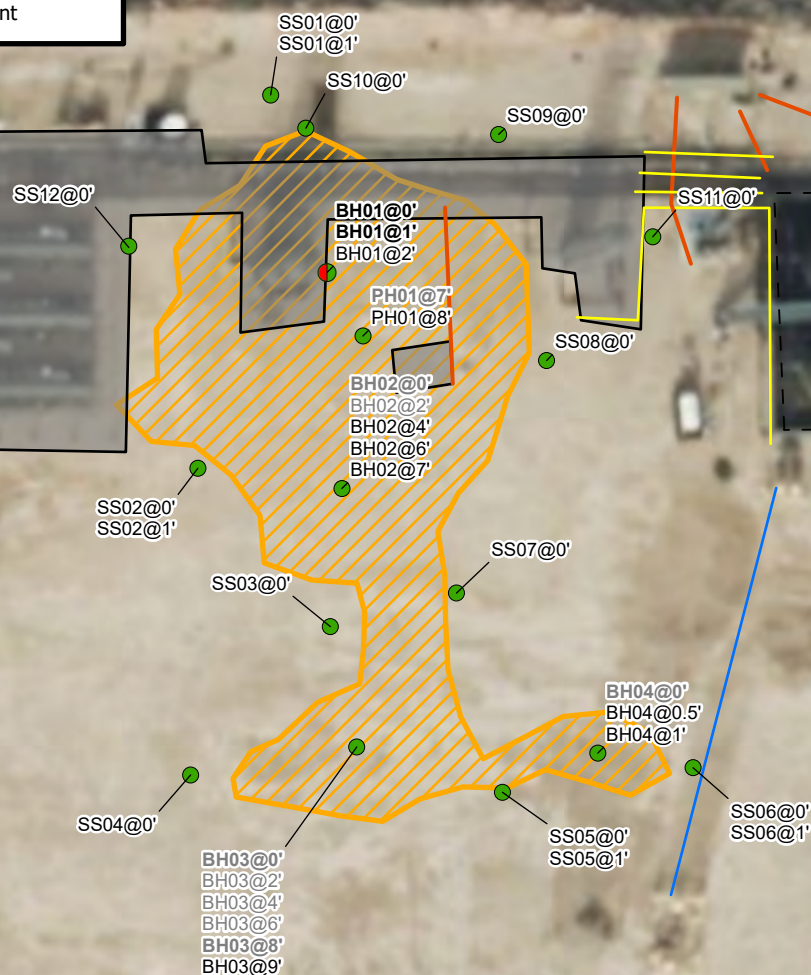
Matador Production Company
Charlie Sweeney Fed Tank Battery
Incident Number: nAPP2425041943
Unit P, Section 31, Township 23S, Range 28E
Eddy Co., New Mexico

FIGURE

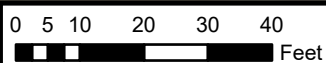
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- Metal Berm
- Production Equipment
- Release Extent



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



Sources: Environmental Systems Research Institute (ESRI)



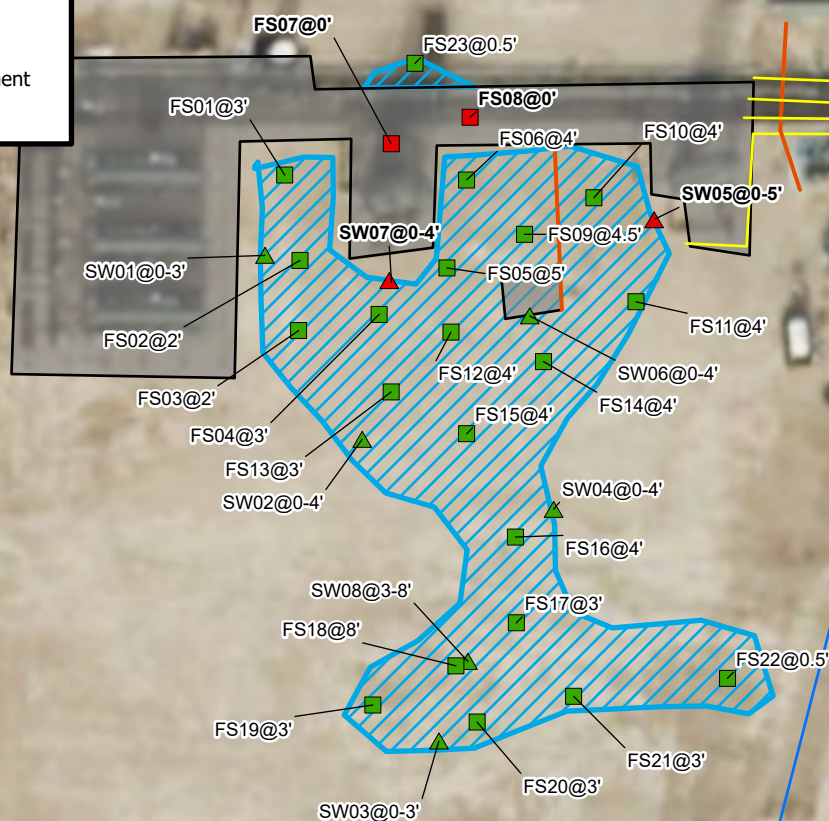
Delineation Soil Sample Locations

Matador Production Company
 Charlie Sweeney Fed Tank Battery
 Incident Number: nAPP2425041943
 Unit P, Sec 31, T23S, R28E
 Eddy County, New Mexico

FIGURE
2

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Excavation Floor Sample with Concentrations Exceeding Closure Criteria
- ▲ Excavation Floor Sample with Concentrations Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- Metal Berm
- Production Equipment
- Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.

0 5 10 20 30 40
Feet

Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

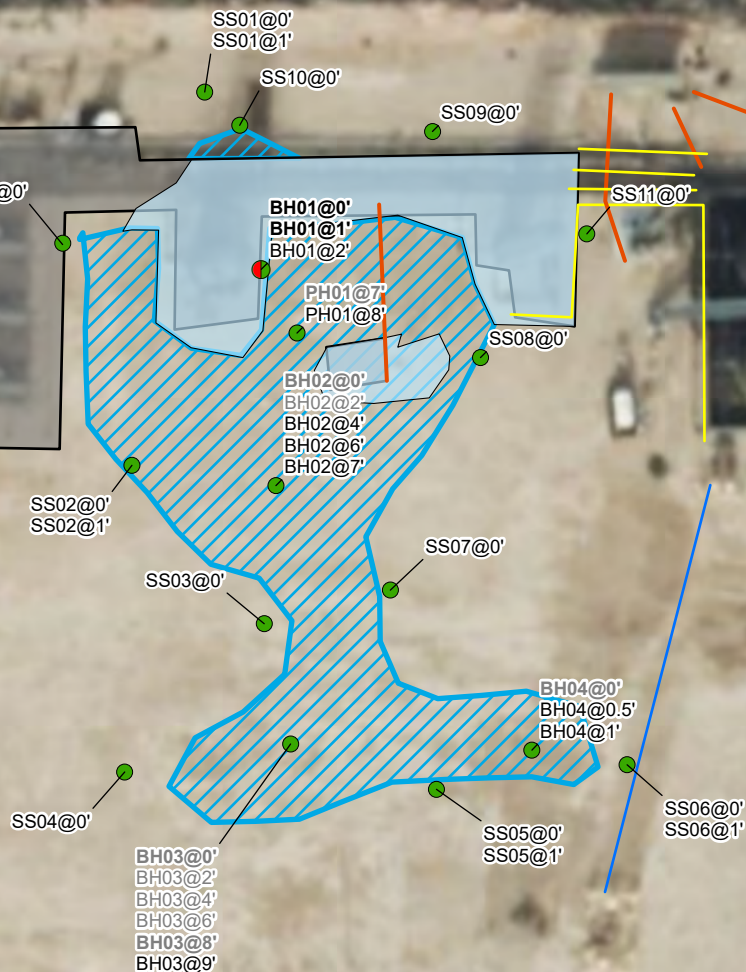
Matador Production Company
Charlie Sweeney Fed Tank Battery
Incident Number: nAPP2425041943
Unit P, Sec 31, T23S, R28E
Eddy County, New Mexico

FIGURE

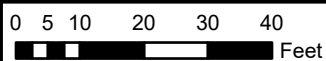
3

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- Production Equipment
- Deferral Area
- Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)

**Area of Requested Deferral**

Matador Production Company
Charlie Sweeney Fed Tank Battery
Incident Number: nAPP2425041943
Unit P, Sec 31, T23S, R28E
Eddy County, New Mexico

FIGURE**4**



TABLES

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	9/20/2024	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 occurring 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*
Delineation Soil Samples										
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

Notes:

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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

TABLE 2
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*
Excavation Floor Soil 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

Notes:

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TPH: Total Petroleum Hydrocarbon

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TABLE 2 - CONT'D 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*
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
FS23	10/23/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	312

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

* Naturally occurring 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

TABLE 3
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*
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

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 occurring 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



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE OF NEW MEXICO
BOSWELL, NEW MEXICO

2017 AUG 28 AM 10:47

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4037		WELL TAG ID NO.		OSE FILE NO(S).			
	WELL OWNER NAME(S) Sendero Calrsbad Midstream LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 16430 Park Ten Place Suite 675				CITY Houston	STATE TX	ZIP 77084	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 15	SECONDS 45.1 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
LONGITUDE 104 07 23.8 W DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Well is off of Bounds Rd. at Sendero refinery. Location is close to the northern fence line.								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1348		NAME OF LICENSED DRILLER Clinton E. Taylor			NAME OF WELL DRILLING COMPANY Taylor Water Well Service		
	DRILLING STARTED 7/17/2017	DRILLING ENDED 7/18/2017	DEPTH OF COMPLETED WELL (FT) 98.5		BORE HOLE DEPTH (FT) 100	DEPTH WATER FIRST ENCOUNTERED (FT) 60		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 34		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	+1.5	58.5	8 1/2	PVC	Spline	4 1/2	SDR 17	
	58.5	98.5	8 1/2	PVC	Spline	4 1/2	SDR 17	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	8 1/2	20% Bentonite Grout	3 Sacks	Tremie		
	20	98.5	8 1/2	3/8" Pea Gravel	2 Yards	Dump		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4037	POD NO.	1	TRN NO.	604774
LOCATION	Drink Sanit	235.28E.31.234	WELL TAG ID NO.		PAGE 1 OF 2

[illegible]

Tom Blaine, P.E.
State Engineer



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,

A handwritten signature in black ink, appearing to read "Yolanda Mendiola".

Yolanda Mendiola
(575) 622-6521


Enclosure


wellcon5





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01	Date: 9/18/2024
								Site Name: Charlie Swweney Fed TB	
								Incident Number: nAPP2425041943	
								Job Number: 03A2270059	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Chad Hamilton	Method: Hand Auger
Coordinates: 32.255341, -104.119946								Hole Diameter: 3"	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.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M			Y	BH01	0	0		Caliche Pad - White to medium brown, coarse to fine grained with small to large gravel, Moist, Non-Plastic, Noncohesive, Non-Uniform, Sharp	
M	>3,7427		Y	BH01	0.5	0.5	CCHE		
M	>3,7427		N	BH01	1	1			
D	459	41	N	BH01	2	2	CCHE	Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, Non-Uniform	
D	459		N	BH01	3	3			
Total Depth @ 3 ft bgs.									

								Sample Name: BH02		Date: 9/18/2024	
								Site Name: Charlie Swweney Fed TB			
								Incident Number: nAPP2425041943			
								Job Number: 03A2270059			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Chad Hamilton		Method: Hand Auger	
Coordinates: 32.255259, -104.119908								Hole Diameter: 3"		Total Depth: 7'	
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.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH02	0	0		Caliche Pad - White to medium brown, coarse to fine grained with small to large gravel, Moist, Non-Plastic, Noncohesive, Non-Uniform, Sharp			
D	ND		N	BH02	0.5		CCHE				
D	930		N	BH02	1	1		Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, Non-Uniform Auger Refusal @ 7 ft BGS			
D	851		N	BH02	2	2					
D	706		N	BH02	3	3					
D	778		N	BH02	4	4	CCHE				
D	851		N	BH02	5	5					
D	1,014		N	BH02	6	6					
D	1,014		N	BH02	7	7					
Total Depth @ 7 ft bgs.											

							Sample Name: BH03		Date: 9/18/2024	
							Site Name: Charlie Swweney Fed TB			
							Incident Number: nAPP2425041943			
							Job Number: 03A2270059			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Chad Hamilton		Method: Hand Auger	
Coordinates: 32.255126, -104.119905							Hole Diameter: 3"		Total Depth: 9'	
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.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M			Y	BH03	0	0		Caliche Pad - White to medium brown, coarse to fine grained with small to large gravel, Moist, Non-Plastic, Noncohesive, Non-Uniform, Sharp		
D	2,262		N	BH03	0.5		CCHE			
D	169		N	BH03	1	1				
D	851		N	BH03	2	2		Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, Non-Uniform		
D	851		N	BH03	3	3				
D	1,193		N	BH03	4	4				
D	1,294		N	BH03	5	5	CCHE			
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 rock			
Total Depth = 9'										

								Sample Name: BH04		Date: 9/18/2024	
								Site Name: Charlie Swweney Fed TB			
								Incident Number: nAPP2425041943			
								Job Number: 03A2270059			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Chad Hamilton		Method: Hand Auger	
Coordinates: 32.255133, 104.119811								Hole Diameter: 3"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH04	0	0	CCHE	Caliche Pad - White to medium brown, coarse to fine grained with small to large gravel, Moist, Non-Plastic, Noncohesive, Non-Uniform, Sharp			
M	ND		N	BH04	0.5	0.5					
M	ND	18	N	BH04	1	1					
D	263		N	BH04	2	2	SP-SM	Top Soil - Silty Sand, Light to medium brown, coarse to fine grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, Non-Uniform, Sharp			
D	ND		N	BH04	3	3	CCHE	Caliche - White to medium brown, very fine to coarse grained, Dry, Non-Plastic, Noncohesive, Thickly Bedded, Non-Uniform			
D	ND		N	BH04	4	4					
Total Depth @ 4 ft bgs.											



APPENDIX C

Photographic Log



Photographic Log

Matador Production Company

Charlie Sweeney Fed TB

Incident Number: nAPP2425041943

North West Elevation

☉ 114°SE (T) LAT: 32.255509 LON: -104.120571 ±13ft ▲ 3103ft



Release Extent
Ensolum, LLC

Charlie Sweeney Fed TB
09-06-2024, 13:15:45

Photograph 1

Date: 09/06/2024

Description: Site Signage

View: Southeast

South Elevation

☉ 345°N (T) LAT: 32.255074 LON: -104.120044 ±13ft ▲ 3101ft



Release Extent
Ensolum, LLC

Charlie Sweeney Fed TB
09-06-2024, 13:16:37

Photograph 2

Date: 09/06/2024

Description: Release Extent

View: East

South Elevation

☉ 18°N (T) LAT: 32.255076 LON: -104.120071 ±13ft ▲ 3101ft



Release Extent
Ensolum, LLC

Charlie Sweeney Fed TB
09-06-2024, 13:16:42

Photograph 3

Date: 09/06/2024

Description: Release Extent

View: Northeast

South East Elevation

☉ 330°NW (T) LAT: 32.254999 LON: -104.119910 ±13ft ▲ 3103ft



Release Extent
Ensolum, LLC

Charlie Sweeney Fed TB
09-06-2024, 13:17:01

Photograph 4

Date: 09/06/2024

Description:

View: North



Photographic Log

Matador Production Company

Charlie Sweeney Fed TB

Incident Number: nAPP2425041943



Photograph 5

Date: 09/12/2024

Description: Delineation Sampling

View: East

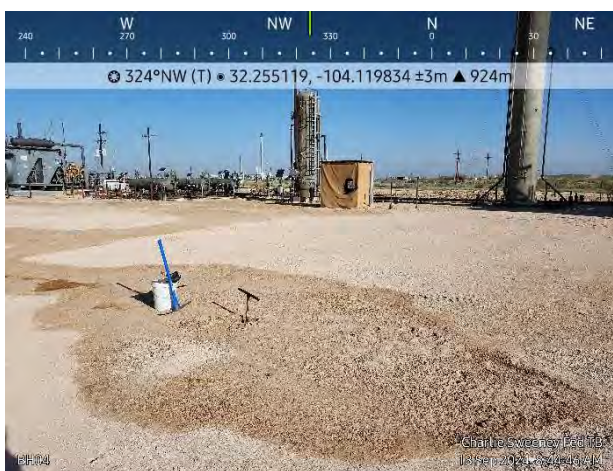


Photograph 6

Date: 09/12/2024

Description: Delineation Sampling

View: North



Photograph 7

Date: 09/18/2024

Description: Delineation Sampling

View: Northwest



Photograph 8

Date: 09/18/2024

Description: Delineation Sampling

View: West



Photographic Log

Matador Production Company

Charlie Sweeney Fed TB

Incident Number: nAPP2425041943



Photograph 9

Date: 10/21/2024

Description: Excavation Activities

View: Southwest

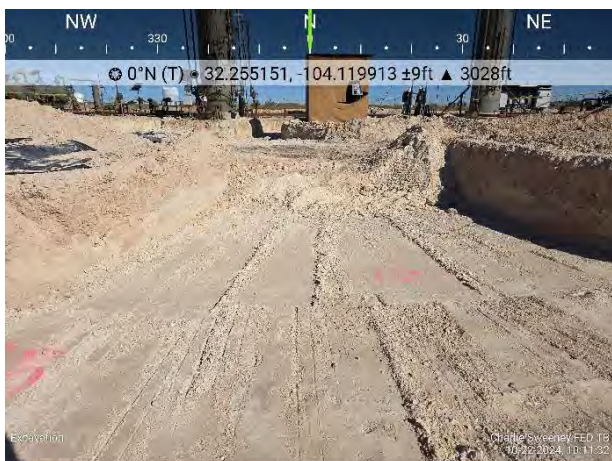


Photograph 10

Date: 10/21/2024

Description: Excavation Activities

View: Northwest

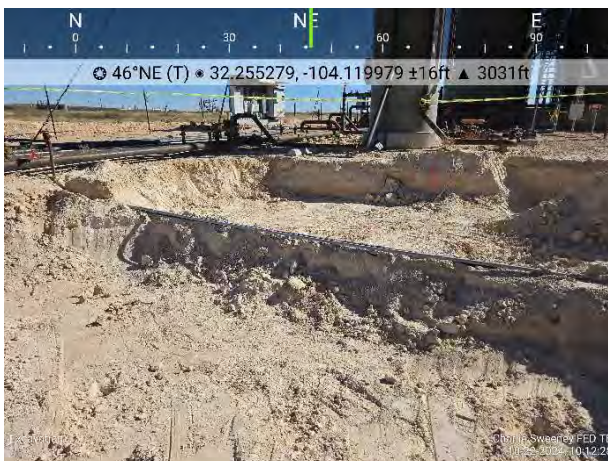


Photograph 11

Date: 10/22/2024

Description: Excavation Activities

View: Northwest



Photograph 12

Date: 10/22/2024

Description: Excavation Activities

View: West



Photographic Log

Matador Production Company

Charlie Sweeney Fed TB

Incident Number: nAPP2425041943



Photograph 13

Date: 10/23/2024

Description: Excavation Activities

View: Northeast



Photograph 14

Date: 10/23/2024

Description: Excavation Activities

View: Northwest



Photograph 15

Date: 10/23/2024

Description: Excavation Activities

View: Northeast



Photograph 16

Date: 10/23/2024

Description: Excavation Activities

View: Southwest



Photographic Log

Matador Production Company

Charlie Sweeney Fed TB

Incident Number: nAPP2425041943



Photograph 17

Date: 10/23/2024

Description: Excavation Activities

View: Northwest



Photograph 18

Date: 10/23/2024

Description: Excavation Activities

View: Northwest

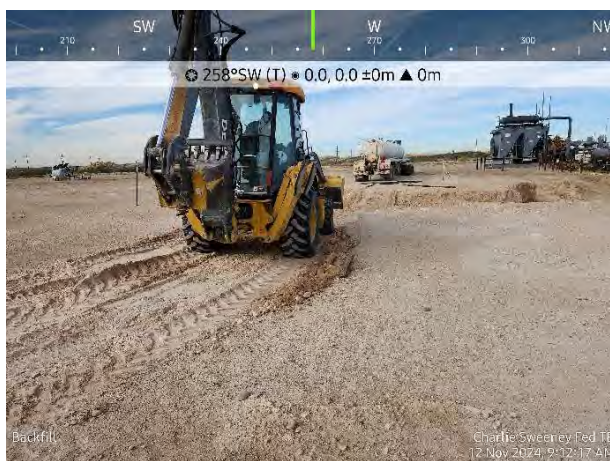


Photograph 19

Date: 11/12/2024

Description: Confirmation Sampling Activities

View: Southwest



Photograph 20

Date: 11/12/2024

Description: Confirmation Sampling Activities

View: West

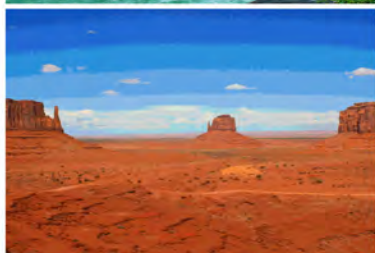


APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/19/2024 4:54:33PM
---	--	----------------------------------

SS01 - 0'

E409115-01

Analyte	Result	Reporting Limit	Dilution	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	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,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	Analyst: CG		Batch: 2438007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	90.2 %	50-200		09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438012	
Chloride	ND	100	5	09/16/24	09/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/19/2024 4:54:33PM
---	--	----------------------------------

SS03 - 0'

E409115-02

Analyte	Result	Reporting Limit	Dilution	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	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	88.0 %	50-200		09/14/24	09/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438012	
Chloride	62.6	20.0	1	09/16/24	09/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/19/2024 4:54:33PM
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SS07 - 0'

E409115-03

Analyte	Result	Reporting Limit	Dilution	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	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,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	98.2 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: 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	Analyst: 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	87.0 %	50-200		09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438012	
Chloride	64.3	20.0	1	09/16/24	09/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/19/2024 4:54:33PM
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SS09 - 0'

E409115-04

Analyte	Result	Reporting Limit	Dilution	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	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		09/14/24	09/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438012	
Chloride	ND	100	5	09/16/24	09/16/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2024 4:54:33PM

Volatile Organics by EPA 8021B

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
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Blank (2438007-BLK1) Prepared: 09/16/24 Analyzed: 09/17/24

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	7.82		8.00		97.7	70-130			

LCS (2438007-BS1) Prepared: 09/16/24 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			
o-Xylene	5.37	0.0250	5.00		107	70-130			
p,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: E409116-07 Prepared: 09/16/24 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: E409116-07 Prepared: 09/16/24 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	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	6.79	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	6.67	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	6.71	20	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2024 4:54:33PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2438007-BLK1) Prepared: 09/16/24 Analyzed: 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: 09/16/24 Analyzed: 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: E409116-07 Prepared: 09/16/24 Analyzed: 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: 09/16/24 Analyzed: 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2024 4:54:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437110-BLK1) Prepared: 09/14/24 Analyzed: 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: 09/14/24 Analyzed: 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: 09/14/24 Analyzed: 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: 09/14/24 Analyzed: 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/19/2024 4:54:33PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438012-BLK1)						Prepared: 09/16/24 Analyzed: 09/16/24			
Chloride	ND	20.0							
LCS (2438012-BS1)						Prepared: 09/16/24 Analyzed: 09/16/24			
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2438012-MS1)				Source: E409109-05		Prepared: 09/16/24 Analyzed: 09/16/24			
Chloride	368	20.0	250	105	105	80-120			
Matrix Spike Dup (2438012-MSD1)				Source: E409109-05		Prepared: 09/16/24 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.



Definitions and Notes

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
- 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.



Page 1 of 1



envirotech

Envirotech Analytical Laboratory

Printed: 9/16/2024 10:15:03AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/16/24 07:30	Work Order ID:	E409115
Phone:	(972) 371-5200	Date Logged In:	09/13/24 15:42	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	09/20/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Envirotech Analytical Laboratory

Printed: 9/16/2024 10:15:03AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/16/24 07:30	Work Order ID:	E409115
Phone:	(972) 371-5200	Date Logged In:	09/13/24 15:42	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	09/20/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

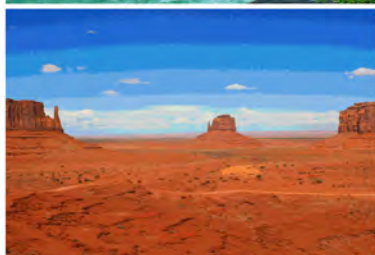
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/23/24

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 09/23/24 15:15
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/23/2024 3:15:50PM
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SS01 - 1'

E409129-01

Analyte	Result	Reporting 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	
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	Analyst: 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	Analyst: 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	Analyst: WF		Batch: 2438052	
Chloride	436	100	5	09/18/24	09/18/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/23/2024 3:15:50PM
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SS02 - 1'

E409129-02

Analyte	Result	Reporting 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	
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	86.9 %	70-130		09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: 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	Analyst: 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	79.5 %	50-200		09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2438052	
Chloride	218	200	10	09/18/24	09/18/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/23/2024 3:15:50PM
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SS05 - 1'

E409129-03

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.8 %	70-130		09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	91.3 %	50-200		09/18/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2438052	
Chloride	309	20.0	1	09/18/24	09/18/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/23/2024 3:15:50PM
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SS06 - 1'

E409129-04

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		09/18/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	91.7 %	50-200		09/18/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2438052	
Chloride	218	20.0	1	09/18/24	09/18/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/23/2024 3:15:50PM

Volatile Organics by EPA 8021B

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
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Blank (2438047-BLK1) Prepared: 09/18/24 Analyzed: 09/20/24

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	6.82		8.00		85.3	70-130			

LCS (2438047-BS1) Prepared: 09/18/24 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			
o-Xylene	4.61	0.0250	5.00		92.1	70-130			
p,m-Xylene	9.37	0.0500	10.0		93.7	70-130			
Total Xylenes	14.0	0.0250	15.0		93.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.5	70-130			

Matrix Spike (2438047-MS1) Source: E409129-01 Prepared: 09/18/24 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			
Toluene	4.57	0.0250	5.00	ND	91.3	61-130			
o-Xylene	4.46	0.0250	5.00	ND	89.2	63-131			
p,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			
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			

Matrix Spike Dup (2438047-MSD1) Source: E409129-01 Prepared: 09/18/24 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	
o-Xylene	4.16	0.0250	5.00	ND	83.1	63-131	7.05	20	
p,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	
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/23/2024 3:15:50PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2438047-BLK1) Prepared: 09/18/24 Analyzed: 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: 09/18/24 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: 09/18/24 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: 09/18/24 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:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/23/2024 3:15:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438040-BLK1)					Prepared: 09/17/24 Analyzed: 09/20/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.5	50-200			

LCS (2438040-BS1)					Prepared: 09/17/24 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: 09/17/24 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/23/2024 3:15:50PM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438052-BLK1)					Prepared: 09/18/24 Analyzed: 09/18/24				
Chloride	ND	20.0							
LCS (2438052-BS1)					Prepared: 09/18/24 Analyzed: 09/18/24				
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2438052-MS1)					Source: E409128-03		Prepared: 09/18/24 Analyzed: 09/18/24		
Chloride	531	20.0	250	285	98.3	80-120			
Matrix Spike Dup (2438052-MSD1)					Source: E409128-03		Prepared: 09/18/24 Analyzed: 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.



Definitions and Notes

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.



Page 1 of 1



Envirotech Analytical Laboratory

Printed: 9/18/2024 12:43:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/18/24 05:00	Work Order ID:	E409129
Phone:	(972) 371-5200	Date Logged In:	09/17/24 12:25	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	09/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

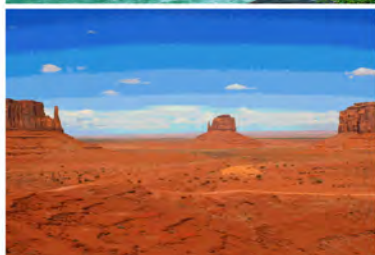
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 09/30/24 11:30
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 0'	E409177-01A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH01 - 1'	E409177-02A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH01 - 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.
BH03 - 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.
BH03 - 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.
BH03 - 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.
BH04 - 0.5'	E409177-15A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.
BH04 - 1'	E409177-16A	Soil	09/18/24	09/20/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH01 - 0'

E409177-01

Analyte	Result	Reporting 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	
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	106 %	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)	250	25.0	1	09/20/24	09/24/24	
Oil Range Organics (C28-C36)	179	50.0	1	09/20/24	09/24/24	
Surrogate: n-Nonane	97.0 %	50-200		09/20/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	5770	400	20	09/20/24	09/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH01 - 1'

E409177-02

Analyte	Result	Reporting 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	
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	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	
Oil 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	5230	200	10	09/20/24	09/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH01 - 2'

E409177-03

Analyte	Result	Reporting 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	
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	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	
Oil 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH02 - 0'

E409177-04

Analyte	Result	Reporting 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	
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	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	93.7 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane	105 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	6950	100	5	09/20/24	09/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH02 - 2'

E409177-05

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	768	200	10	09/20/24	09/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH02 - 4'

E409177-06

Analyte	Result	Reporting 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	
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	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	
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	Analyst: RAS		Batch: 2438152	
Chloride	694	200	10	09/20/24	09/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH02 - 6'

E409177-07

Analyte	Result	Reporting 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	09/24/24	
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	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	Analyst: RAS		Batch: 2438152	
Chloride	818	200	10	09/20/24	09/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH02 - 7'

E409177-08

Analyte	Result	Reporting 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	
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	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	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	106 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	826	200	10	09/20/24	09/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH03 - 0'

E409177-09

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
<i>Surrogate: n-Nonane</i>						
		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH03 - 2'

E409177-10

Analyte	Result	Reporting 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	
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	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	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	Analyst: RAS		Batch: 2438152	
Chloride	683	200	10	09/20/24	09/21/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH03 - 4'

E409177-11

Analyte	Result	Reporting 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	
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	95.7 %	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	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane	110 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	553	200	10	09/20/24	09/21/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH03 - 6'

E409177-12

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	918	200	10	09/20/24	09/21/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH03 - 8'

E409177-13

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
<i>Surrogate: n-Nonane</i>						
	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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH04 - 0'

E409177-14

Analyte	Result	Reporting 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	
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	98.0 %	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	92.4 %	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	
Oil 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH04 - 0.5'
E409177-15

Analyte	Result	Reporting 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	
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	96.8 %	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	91.2 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane	110 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	ND	20.0	1	09/20/24	09/21/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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BH04 - 1'

E409177-16

Analyte	Result	Reporting 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	
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	97.8 %	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	91.7 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/24	09/25/24	
Surrogate: n-Nonane	108 %	50-200		09/20/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438152	
Chloride	87.6	20.0	1	09/20/24	09/21/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/30/2024 11:30:46AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2438147-BLK1) Prepared: 09/20/24 Analyzed: 09/24/24

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	7.89		8.00		98.6	70-130			

LCS (2438147-BS1) Prepared: 09/20/24 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			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,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: E409177-07 Prepared: 09/20/24 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			
o-Xylene	5.20	0.0250	5.00	ND	104	63-131			
p,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: E409177-07 Prepared: 09/20/24 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	
o-Xylene	5.75	0.0250	5.00	ND	115	63-131	9.97	20	
p,m-Xylene	11.7	0.0500	10.0	ND	117	63-131	9.96	20	
Total Xylenes	17.5	0.0250	15.0	ND	116	63-131	9.96	20	
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/30/2024 11:30:46AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438147-BLK1) Prepared: 09/20/24 Analyzed: 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: 09/20/24 Analyzed: 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: 09/20/24 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: 09/20/24 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/30/2024 11:30:46AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438139-BLK1)					Prepared: 09/20/24 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: 09/20/24 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: 09/20/24 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 11:30:46AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438152-BLK1)					Prepared: 09/20/24 Analyzed: 09/20/24				
Chloride	ND	20.0							
LCS (2438152-BS1)					Prepared: 09/20/24 Analyzed: 09/20/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438152-MS1)					Source: E409177-07		Prepared: 09/20/24 Analyzed: 09/20/24		
Chloride	1130	200	250	818	125	80-120			M5
Matrix Spike Dup (2438152-MSD1)					Source: E409177-07		Prepared: 09/20/24 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.



Definitions and Notes

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

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Charlie Sweeney Fed TB				Address: 3122 National Parks Hwy		E 409177		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1235	9/18/24	S	1	BH01-0'		1						X					
1305				BH01-1'		2						X					
1308				BH01-2		3						X					
1020				BH02-0'		4						X					
1049				BH02-2'		5						X					
1151				BH02-4'		6						X					
1209				BH02-6'		7						X					
1224				BH02-7'		8						X					
0847				BH03-0'		9						X					
0900				BH03-2		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Chad Hamilton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days					
		9/19/24	9:12	Michelle Gonzales		9-19-24	0912			9-19-24	1705	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
Michelle Gonzales		9-19-24	1645	J.H.		9-19-24	1705			9-20-24	7:45	T1 _____ T2 _____ T3 _____					
J.H.		9-19-24	7:40	Cathi Ma		9-20-24	7:45					AVG Temp °C 4					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time					Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Charlie Sweeney Fed TB				Address: 3122 National Parks Hwy		E409177	23003-0002				X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method						EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
0922	9/18/24	S	1	BH03-4'		11						X					
0949				BH03-6'		12						X					
0958				BH03-8'		13						X					
0747				BH04-0'		14						X					
0751				BH04-0.5'		15						X					
0753				BH04-1'		16						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Chad Hamilton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Envirotech Analytical Laboratory

Printed: 9/20/2024 10:05:34AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/20/24 07:45	Work Order ID:	E409177
Phone:	(972) 371-5200	Date Logged In:	09/19/24 15:20	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	09/26/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

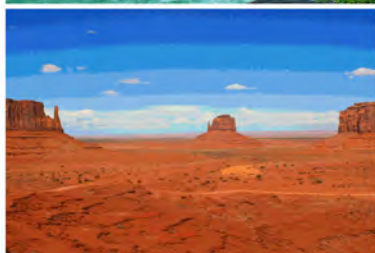
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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

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

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

Respectfully,

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Sample Summary

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



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 1:35:51PM
---	--	----------------------------------

SS03-0'

E409196-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	Analyst: 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	Analyst: 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	Analyst: WF		Batch: 2439037	
Chloride	112	40.0	2	09/24/24	09/25/24	



Sample Data

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

Project Name: Charlie Sweeney Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/30/2024 1:35:51PM

SS04-0'

E409196-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2439027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/28/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	94.7 %	50-200		09/24/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2439037	
Chloride	146	20.0	1	09/24/24	09/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 1:35:51PM
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SS07-0'

E409196-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	Analyst: 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	Analyst: 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	100 %	50-200		09/24/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2439037	
Chloride	46.6	20.0	1	09/24/24	09/25/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 1:35:51PM
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SS08-0'

E409196-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	90.8 %	70-130		09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: 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	Analyst: 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	95.3 %	50-200		09/24/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2439037	
Chloride	211	200	10	09/24/24	09/25/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/30/2024 1:35:51PM

Volatile Organics by EPA 8021B

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
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Blank (2439027-BLK1)

Prepared: 09/24/24 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: 09/24/24 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: 09/24/24 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.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/30/2024 1:35:51PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2439027-BLK1) Prepared: 09/24/24 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			

LCS (2439027-BS2) Prepared: 09/24/24 Analyzed: 09/28/24

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			

LCS Dup (2439027-BSD2) Prepared: 09/24/24 Analyzed: 09/28/24

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130	2.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/30/2024 1:35:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2439035-BLK1)					Prepared: 09/24/24 Analyzed: 09/27/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			

LCS (2439035-BS1)					Prepared: 09/24/24 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: 09/24/24 Analyzed: 09/27/24				
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132	8.63	20	
Surrogate: n-Nonane	54.3		50.0		109	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/30/2024 1:35:51PM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2439037-BLK1)					Prepared: 09/24/24 Analyzed: 09/25/24				
Chloride	ND	20.0							
LCS (2439037-BS1)					Prepared: 09/24/24 Analyzed: 09/25/24				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2439037-MS1)					Source: E409196-03		Prepared: 09/24/24 Analyzed: 09/25/24		
Chloride	298	20.0	250	46.6	101	80-120			
Matrix Spike Dup (2439037-MSD1)					Source: E409196-03		Prepared: 09/24/24 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.



Definitions and Notes

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.



envirotech

Envirotech Analytical Laboratory

Printed: 9/23/2024 11:05:10AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/23/24 08:00	Work Order ID:	E409196
Phone:	(972) 371-5200	Date Logged In:	09/23/24 09:12	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	09/27/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

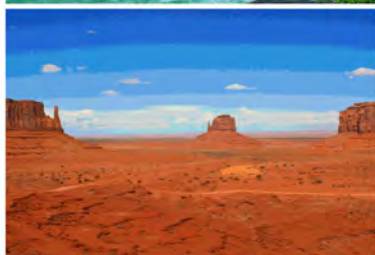
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/30/24

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

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



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-002 Project Manager: Ashley Giovengo	Reported: 10/30/2024 3:31:09PM
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FS01-3'
E410276-01

Analyte	Result	Reporting Limit	Dilution	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	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	88.1 %	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	
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	Analyst: DT		Batch: 2443134	
Chloride	357	200	10	10/24/24	10/27/24	



Sample Data

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

Project Name: Charlie Sweeney Fed TB
Project Number: 23003-002
Project Manager: Ashley Giovengo

Reported:
10/30/2024 3:31:09PM

FS02-2'

E410276-02

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		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	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/24	10/28/24	
<i>Surrogate: n-Nonane</i>						
		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-002 Project Manager: Ashley Giovengo	Reported: 10/30/2024 3:31:09PM
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FS07-0'

E410276-03

Analyte	Result	Reporting Limit	Dilution	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	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	
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	Analyst: NV		Batch: 2443118	
Diesel Range Organics (C10-C28)	123	25.0	1	10/23/24	10/28/24	
Oil 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-002 Project Manager: Ashley Giovengo	Reported: 10/30/2024 3:31:09PM
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FS08-0'

E410276-04

Analyte	Result	Reporting Limit	Dilution	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	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	
Oil 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-002 Project Manager: Ashley Giovengo	Reported: 10/30/2024 3:31:09PM
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FS22-0.5'

E410276-05

Analyte	Result	Reporting Limit	Dilution	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	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	
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	Analyst: 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	113 %	50-200		10/23/24	10/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2443134	
Chloride	31.3	20.0	1	10/24/24	10/27/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2024 3:31:09PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2443113-BLK1) Prepared: 10/23/24 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: 10/23/24 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-BS1) Prepared: 10/23/24 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2024 3:31:09PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443113-BLK1) Prepared: 10/23/24 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: 10/23/24 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: 10/23/24 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: 10/23/24 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2024 3:31:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443118-BLK1) Prepared: 10/23/24 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: 10/23/24 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: 10/23/24 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: 10/23/24 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-002 Project Manager: Ashley Giovengo	Reported: 10/30/2024 3:31:09PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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: E410264-24		Prepared: 10/24/24 Analyzed: 10/27/24		
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2443134-MSD1)					Source: E410264-24		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.



Definitions and Notes

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.



Page 1 of 1



Envirotech Analytical Laboratory

Printed: 10/23/2024 8:49:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/23/24 05:00	Work Order ID:	E410276
Phone:	(972) 371-5200	Date Logged In:	10/22/24 16:17	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	10/29/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

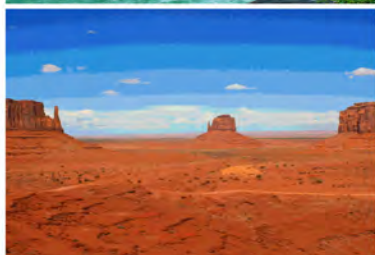
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

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



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 11:27:56AM
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FS03-2'
E410284-01

Analyte	Result	Reporting Limit	Dilution	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	
o-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		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	Analyst: 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/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		103 %	50-200	10/30/24	10/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2443208	
Chloride	406	200	10	10/26/24	10/28/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 11:27:56AM
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FS17-3'
E410284-02

Analyte	Result	Reporting Limit	Dilution	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	
o-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	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		Batch: 2443125
Gasoline Range Organics (C6-C10)	ND	20.0	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	10/30/24	10/31/24	
Oil Range Organics (C28-C36)	ND	50.0	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	10	10/26/24	10/28/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 11:27:56AM
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FS19-3'

E410284-03

Analyte	Result	Reporting Limit	Dilution	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	
o-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		Analyst: 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		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	102 %	50-200		10/30/24	10/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2443208
Chloride	280	200	10	10/26/24	10/28/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 11:27:56AM
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FS21-3'

E410284-04

Analyte	Result	Reporting Limit	Dilution	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	
o-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	98.9 %	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		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

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

Project Name: Charlie Sweeney Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
11/1/2024 11:27:56AM

SW07-0-4'

E410284-05

Analyte	Result	Reporting Limit	Dilution	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	
o-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		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		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:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:27:56AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2443125-BLK1)

Prepared: 10/24/24 Analyzed: 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: 10/24/24 Analyzed: 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: 10/24/24 Analyzed: 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			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:27:56AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443125-BLK1) Prepared: 10/24/24 Analyzed: 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: 10/24/24 Analyzed: 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: 10/24/24 Analyzed: 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:27:56AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2444089-BLK1) Prepared: 10/30/24 Analyzed: 10/31/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			

LCS (2444089-BS1) Prepared: 10/30/24 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: 10/30/24 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			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 11:27:56AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443208-BLK1)						Prepared: 10/26/24 Analyzed: 10/28/24			
Chloride	ND	20.0							
LCS (2443208-BS1)						Prepared: 10/26/24 Analyzed: 10/28/24			
Chloride	251	20.0	250		100	90-110			
LCS Dup (2443208-BSD1)						Prepared: 10/26/24 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.



Definitions and Notes

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

Page 1 of 1

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

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Client Information				Invoice Information		Lab Use Only		TAT		State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E410284		Job Number 72003002		1D	2D	3D	Std	NM	CO	UT	TX
Project: Charlie Sweeney Fed TB				Address: 3122 National Parks Hwy										X			
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agioveno@ensolum.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
4:53	10/22/24	Soil	1	FS03-2'		1						X					
10:18				FS17-3'		2						X					
10:20				FS19-3'		3						X					
10:22				FS20-3'								X					
10:23				FS21-3'		4						X					
15:15				SW07-0-4'		5						X					
Additional Instructions: Held on Ice. Please CC: cburton@ensolum.com, agioveno@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Bowan Simmons																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

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Envirotech Analytical Laboratory

Printed: 10/24/2024 8:37:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/24/24 08:00	Work Order ID:	E410284
Phone:	(972) 371-5200	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 of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

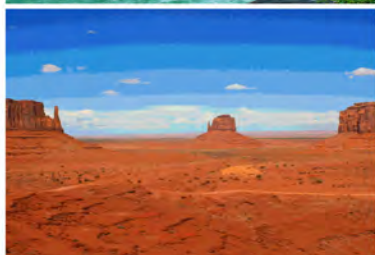
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
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.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 2303-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:09:34AM
---	---	----------------------------------

SS10-0'

E410311-01

Analyte	Result	Reporting 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	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	
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	Analyst: 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	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	111 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2444028	
Chloride	450	200	10	10/28/24	10/29/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:09:34AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443187-BLK1) Prepared: 10/25/24 Analyzed: 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: 10/25/24 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: 10/25/24 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 Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:09:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443187-BLK1) Prepared: 10/25/24 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: 10/25/24 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: 10/25/24 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:09:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443227-BLK1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			

LCS (2443227-BS1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

LCS Dup (2443227-BSD1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132	7.37	20	
Surrogate: n-Nonane	53.9		50.0		108	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:09:34AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2444028-BLK1)					Prepared: 10/28/24 Analyzed: 10/28/24				
Chloride	ND	20.0							
LCS (2444028-BS1)					Prepared: 10/28/24 Analyzed: 10/28/24				
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2444028-BSD1)					Prepared: 10/28/24 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.



Definitions and Notes

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

[illegible]

Envirotech Analytical Laboratory

Printed: 10/25/2024 10:40:14AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/25/24 05:30	Work Order ID:	E410311
Phone:	(972) 371-5200	Date Logged In:	10/25/24 06:04	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	10/31/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

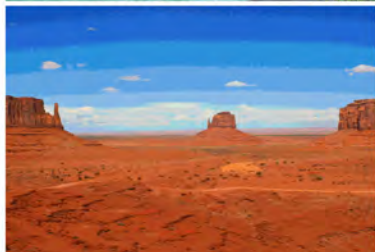
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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Farmington, NM 87401

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



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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Raina Schwanz
Laboratory Administrator
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Field Offices:

Southern New Mexico Area

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Michelle Gonzales
Client Representative
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Sample Summary

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
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.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 2303-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:06:36AM
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SS11-0'
E410312-01

Analyte	Result	Reporting 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	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	
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	102 %	70-130		10/25/24	10/31/24	
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	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	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	109 %	50-200		10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2444028	
Chloride	259	200	10	10/28/24	10/29/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:06:36AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2443187-BLK1) Prepared: 10/25/24 Analyzed: 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: 10/25/24 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: 10/25/24 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 Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:06:36AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443187-BLK1) Prepared: 10/25/24 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: 10/25/24 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: 10/25/24 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	2303-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:06:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443227-BLK1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			

LCS (2443227-BS1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

LCS Dup (2443227-BSD1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132	7.37	20	
Surrogate: n-Nonane	53.9		50.0		108	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 2303-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:06:36AM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2444028-BLK1)					Prepared: 10/28/24 Analyzed: 10/28/24				
Chloride	ND	20.0							
LCS (2444028-BS1)					Prepared: 10/28/24 Analyzed: 10/28/24				
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2444028-BSD1)					Prepared: 10/28/24 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.



Definitions and Notes

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 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.



Page 1 of 1

Envirotech Analytical Laboratory

Printed: 10/25/2024 10:44:16AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/25/24 05:30	Work Order ID:	E410312
Phone:	(972) 371-5200	Date Logged In:	10/25/24 06:06	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	10/31/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

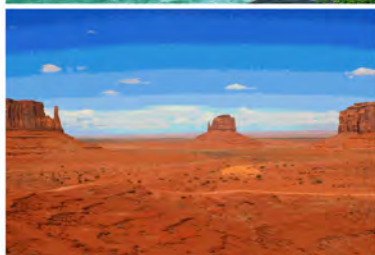
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/01/24 08:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04-3'	E410315-01A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS05-5'	E410315-02A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS06-4'	E410315-03A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS09-4.5'	E410315-04A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS10-4'	E410315-05A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS12-4'	E410315-06A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS13-3'	E410315-07A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS15-4'	E410315-08A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS16-4'	E410315-09A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS18-8'	E410315-10A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS20-3'	E410315-11A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
FS23-0.5'	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.
PH01-8'	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.
SW01-0-3'	E410315-16A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
SW02-0-4'	E410315-17A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
SW03-0-3'	E410315-18A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
SW04-0-4'	E410315-19A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
SW05-0-5'	E410315-20A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
SW06-0-4'	E410315-21A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.
SW08-3-8'	E410315-22A	Soil	10/23/24	10/25/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS04-3'
E410315-01

Analyte	Result	Reporting Limit	Dilution	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	
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		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	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	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		105 %	50-200	10/26/24	10/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444036	
Chloride	597	200	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS05-5'
E410315-02

Analyte	Result	Reporting Limit	Dilution	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	
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		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS06-4'
E410315-03

Analyte	Result	Reporting Limit	Dilution	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	
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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS09-4.5'

E410315-04

Analyte	Result	Reporting Limit	Dilution	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	
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		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	
Oil 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS10-4'
E410315-05

Analyte	Result	Reporting Limit	Dilution	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	
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		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	
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	1060	200	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS12-4'
E410315-06

Analyte	Result	Reporting Limit	Dilution	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	
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		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS13-3'
E410315-07

Analyte	Result	Reporting Limit	Dilution	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	
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		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	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		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	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	730	200	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS15-4'
E410315-08

Analyte	Result	Reporting Limit	Dilution	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	
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		96.0 %	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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS16-4'
E410315-09

Analyte	Result	Reporting Limit	Dilution	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	
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		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	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS18-8'
E410315-10

Analyte	Result	Reporting Limit	Dilution	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	
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		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	
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	547	200	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS20-3'

E410315-11

Analyte	Result	Reporting Limit	Dilution	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	
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		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		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		Analyst: DT		Batch: 2444036
Chloride	944	200	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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FS23-0.5'

E410315-12

Analyte	Result	Reporting Limit	Dilution	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	
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		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	
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	312	200	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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PH01-7'

E410315-13

Analyte	Result	Reporting Limit	Dilution	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	
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		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/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		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	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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PH01-8'
E410315-14

Analyte	Result	Reporting Limit	Dilution	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	
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		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	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	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		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	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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BH03-9'

E410315-15

Analyte	Result	Reporting Limit	Dilution	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	
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		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		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		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	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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SW01-0-3'
E410315-16

Analyte	Result	Reporting Limit	Dilution	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	
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	10	10/28/24	10/29/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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SW02-0-4'
E410315-17

Analyte	Result	Reporting Limit	Dilution	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	
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		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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SW03-0-3'
E410315-18

Analyte	Result	Reporting Limit	Dilution	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	
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		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	
Oil 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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SW04-0-4'
E410315-19

Analyte	Result	Reporting Limit	Dilution	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	
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		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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SW05-0-5'
E410315-20

Analyte	Result	Reporting Limit	Dilution	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	
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		94.5 %	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		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		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/1/2024 8:07:36AM
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SW06-0-4'
E410315-21

Analyte	Result	Reporting 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	
o-Xylene	ND	0.0250	1	10/25/24	11/01/24	
p,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

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

Project Name: Charlie Sweeney Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
11/1/2024 8:07:36AM

SW08-3-8'

E410315-22

Analyte	Result	Reporting 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	
o-Xylene	ND	0.0250	1	10/25/24	11/01/24	
p,m-Xylene	ND	0.0500	1	10/25/24	11/01/24	
Total Xylenes	ND	0.0250	1	10/25/24	11/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		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	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/24	10/29/24	
<i>Surrogate: n-Nonane</i>						
		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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2443189-BLK1)

Prepared: 10/25/24 Analyzed: 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: 10/25/24 Analyzed: 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: 10/25/24 Analyzed: 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	
Total Xylenes	8.29	0.0250	7.50		111	70-130	12.7	27	
Surrogate: Bromofluorobenzene	0.582		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.7	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2443187-BLK1) Prepared: 10/25/24 Analyzed: 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: 10/25/24 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: 10/25/24 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 Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443187-BLK1) Prepared: 10/25/24 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: 10/25/24 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: 10/25/24 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443189-BLK1) Prepared: 10/25/24 Analyzed: 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: 10/25/24 Analyzed: 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: 10/25/24 Analyzed: 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:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2443226-BLK1)					Prepared: 10/26/24 Analyzed: 10/29/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

LCS (2443226-BS1)					Prepared: 10/26/24 Analyzed: 10/29/24				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			

LCS Dup (2443226-BSD1)					Prepared: 10/26/24 Analyzed: 10/29/24				
Diesel Range Organics (C10-C28)	271	25.0	250		109	38-132	2.31	20	
Surrogate: n-Nonane	49.4		50.0		98.7	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2443227-BLK1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			

LCS (2443227-BS1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

LCS Dup (2443227-BSD1) Prepared: 10/26/24 Analyzed: 10/29/24

Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132	7.37	20	
Surrogate: n-Nonane	53.9		50.0		108	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2444030-BLK1)					Prepared: 10/28/24 Analyzed: 10/29/24				
Chloride	ND	20.0							
LCS (2444030-BS1)					Prepared: 10/28/24 Analyzed: 10/29/24				
Chloride	254	20.0	250		102	90-110			
LCS Dup (2444030-BSD1)					Prepared: 10/28/24 Analyzed: 10/29/24				
Chloride	253	20.0	250		101	90-110	0.323	20	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 8:07:36AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2444036-BLK1)					Prepared: 10/28/24 Analyzed: 10/29/24				
Chloride	ND	20.0							
LCS (2444036-BS1)					Prepared: 10/28/24 Analyzed: 10/29/24				
Chloride	256	20.0	250		103	90-110			
LCS Dup (2444036-BSD1)					Prepared: 10/28/24 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.



Definitions and Notes

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.



Chain of Custody

Page 1 of 3

Client Information				Invoice Information		Lab Use Only		TAT		State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Charlie Sweeney Fed TB				Address: 3122 National Parks Hwy		E410315	23003-0002				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
14:45	10/23/24	Soil	1	FS04-3'		1						X					
14:58				FS05-5'		2						X					
10:15				FS06-4'		3						X					
12:53				FS09-4.5'		4						X					
11:58				FS10-4'		5						X					
14:49				FS12-4'		6						X					
7:31				FS13-3'		7						X					
11:49				FS15-4'		8						X					
11:46				FS16-4'		9						X					
15:00				FS18-8'		10						X					
Additional Instructions: Held on Ice. Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Bowan Simmons																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



Chain of Custody

Page 2 of 3

Client Information					Invoice Information			Lab Use Only				TAT				State			
Client: Matador Production Company					Company: Ensolum LLC			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: <u>Charlie Sweeney Fed TB</u>					Address: 3122 National Parks Hwy			<u>E 410315</u>		<u>230003-0002</u>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy					Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220					Email: agiovengo@ensolum.com														
Phone: 575-988-0055					Miscellaneous:														
Email: agiovengo@ensolum.com																			
Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y or N
																		PWSID #	
																			Remarks
10:22	10/22/24	Soil	1	FS20-3'		11						X							
10:23	10/23/24	Soil	1	FS23-0.5'		12						X							
14:48	10/23/24	Soil	1	PH01-7'		13						X							
14:50	10/23/24	Solid	1	PH01-8'		14						X							
14:36	10/23/24	Solid	1	BH03-9'		15						X							
9:07	10/23/24	Soil	1	SW01-0-3'		16						X							
12:46				SW02-0-4'		17						X							
9:28				SW03-0-3'		18						X							
12:49				SW04-0-4'		19						X							
12:56				SW05-0-4'		20						X							
Additional Instructions: Held on Ice. Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Bowan Simmons																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Chain of Custody

Page 3 of 3

Client Information					Invoice Information			Lab Use Only				TAT				State			
Client: Matador Production Company					Company: Ensolum LLC			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: <u>Charlie Sweeney Fed TB</u>					Address: 3122 National Parks Hwy			<u>E410315</u>		<u>23003-0002</u>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy					Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220					Email: agiovengo@ensolum.com														
Phone: 575-988-0055					Miscellaneous:														
Email: agiovengo@ensolum.com																			

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
12:51	10/23/24	Soil	4	SW06-0-4' BS								<input checked="" type="checkbox"/>							
15:14	10/23/24	1	1	SW06-3-8'								<input checked="" type="checkbox"/>							
12:51	10/23/24	Soil	1	SW06-0-4'		21						<input checked="" type="checkbox"/>							
15:14	1	1	1	SW06-3-8'		22						<input checked="" type="checkbox"/>							

Additional Instructions: Held on ice. Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com

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

Sampled by: Bowan Simmons

Relinquished by: (Signature) <u>BS</u>	Date 10/24/24	Time 1100	Received by: (Signature) <u>Michelle Gonzales</u>	Date 10/24/24	Time 1100	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date 10-25-24	Time 0120	Received by: (Signature) <u>Noe Sato</u>	Date 10-25-24	Time 0530	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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



Envirotech Analytical Laboratory

Printed: 10/25/2024 11:11:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/25/24 05:30	Work Order ID:	E410315
Phone:	(972) 371-5200	Date Logged In:	10/25/24 06:18	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	10/31/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 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.
FS14 - 4'	E411124-02A	Soil	11/12/24	11/13/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/13/2024 2:06:24PM
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FS11 - 4'

E411124-01

Analyte	Result	Reporting 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	
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	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	91.7 %	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	
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	Analyst: DT		Batch: 2446084	
Chloride	ND	200	10	11/13/24	11/13/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/13/2024 2:06:24PM
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FS14 - 4'

E411124-02

Analyte	Result	Reporting 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	
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	88.6 %	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	
Oil 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2024 2:06:24PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2446070-BLK1)

Prepared: 11/12/24 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)

Prepared: 11/12/24 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)

Prepared: 11/12/24 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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2024 2:06:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2446070-BLK1) Prepared: 11/12/24 Analyzed: 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: 11/12/24 Analyzed: 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: 11/12/24 Analyzed: 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: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/13/2024 2:06:24PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2446084-BLK1)					Prepared: 11/13/24 Analyzed: 11/13/24				
Chloride	ND	20.0							
LCS (2446084-BS1)					Prepared: 11/13/24 Analyzed: 11/13/24				
Chloride	251	20.0	250		100	90-110			
LCS Dup (2446084-BSD1)					Prepared: 11/13/24 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.



Definitions and Notes

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.



[illegible]

Envirotech Analytical Laboratory

Printed: 11/13/2024 7:43:16AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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:	agiovento@ensolum.com	Due Date:	11/13/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

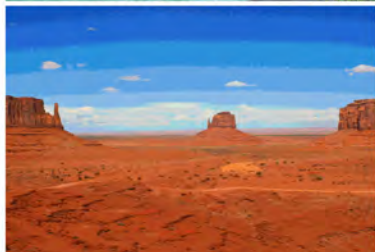
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Sample Summary

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



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/21/2024 12:14:15PM
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SS02 - 0'

E411204-01

Analyte	Result	Reporting 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	
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	
Surrogate: 4-Bromochlorobenzene-PID	99.8 %	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	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	
Oil 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	293	40.0	2	11/20/24	11/20/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/21/2024 12:14:15PM
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SS05 - 0'

E411204-02

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		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	
Oil Range Organics (C28-C36)	ND	50.0	1	11/20/24	11/20/24	
<i>Surrogate: n-Nonane</i>		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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Charlie Sweeney Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/21/2024 12:14:15PM
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SS06 - 0'

E411204-03

Analyte	Result	Reporting 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	
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	
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	Analyst: NV		Batch: 2447047	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/20/24	11/20/24	
Oil 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	Analyst: DT		Batch: 2447056	
Chloride	86.4	20.0	1	11/20/24	11/20/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 12:14:15PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447049-BLK1) Prepared: 11/20/24 Analyzed: 11/20/24

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	7.07		8.00		88.4	70-130			

LCS (2447049-BS1) Prepared: 11/20/24 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			
o-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: 11/20/24 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	
o-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

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 12:14:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447049-BLK1) Prepared: 11/20/24 Analyzed: 11/20/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

LCS (2447049-BS2) Prepared: 11/20/24 Analyzed: 11/20/24

Gasoline Range Organics (C6-C10)	36.0	20.0	50.0		71.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

LCS Dup (2447049-BSD2) Prepared: 11/20/24 Analyzed: 11/20/24

Gasoline Range Organics (C6-C10)	39.9	20.0	50.0		79.8	70-130	10.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 12:14:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447047-BLK1) Prepared: 11/19/24 Analyzed: 11/19/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			

LCS (2447047-BS1) Prepared: 11/19/24 Analyzed: 11/19/24

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			

LCS Dup (2447047-BSD1) Prepared: 11/19/24 Analyzed: 11/19/24

Diesel Range Organics (C10-C28)	281	25.0	250		112	38-132	4.20	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Charlie Sweeney Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 12:14:15PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2447056-BLK1)					Prepared: 11/20/24 Analyzed: 11/20/24				
Chloride	ND	20.0							
LCS (2447056-BS1)					Prepared: 11/20/24 Analyzed: 11/20/24				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2447056-BSD1)					Prepared: 11/20/24 Analyzed: 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.



Definitions and Notes

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

Client Information				Invoice Information				Lab Use Only						TAT				State									
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX								
Project: Charlie Sweeney Fed TB				Address: 3122 National Parks Hwy				E411204		23003-0002		X				X											
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy				Phone: 575-988-0055																							
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																							
Phone: 575-988-0055				Miscellaneous:																							
Email: agiovengo@ensolum.com																											
Sample Information														Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA										
9:42	11/18/2024	S	1	SS02 - 0'		1						X															
9:44	11/18/2024	S	1	SS05 - 0'		2						X															
9:46	11/18/2024	S	1	SS06 - 0'		3						X															
Additional Instructions: Held on Ice. Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																											
Sampled by: Bowan Simmons																											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4																			
Michelle Gonzales		11/19/24	10:30	Michelle Gonzales		11-19-24	1030																				
Michelle Gonzales		11-19-24	1650	John H.		11-19-24	1730																				
John H.		11-19-24	2400	Carla Ma		11-20-24	10:15																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											



envirotech

Envirotech Analytical Laboratory

Printed: 11/20/2024 7:09:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	11/20/24 06:15	Work Order ID:	E411204
Phone:	(972) 371-5200	Date Logged In:	11/19/24 15:14	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	11/20/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

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 <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD

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

Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>

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 with 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

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

QUESTIONS

Action 393124

QUESTIONS

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

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

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CONDITIONS

Action 393124

CONDITIONS

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

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QUESTIONS

Action 393131

QUESTIONS

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

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

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CONDITIONS

Action 393131

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Action 393136

QUESTIONS

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

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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CONDITIONS

Action 393136

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Action 393139

QUESTIONS

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

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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CONDITIONS

Action 393139

CONDITIONS

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

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QUESTIONS

Action 393141

QUESTIONS

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

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.	
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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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CONDITIONS

Action 393141

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 393141
	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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 400142

QUESTIONS

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

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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CONDITIONS

Action 400142

CONDITIONS

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

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QUESTIONS

Action 407687

QUESTIONS

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

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425041943
Incident Name	NAPP2425041943 CHARLIE SWEENEY FED TANK BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2202571816] Charlie Sweeney Fed Facility Tank battery

Location of Release Source	
Please answer all the questions in this group.	
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	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 407687

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 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 safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/11/2024
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QUESTIONS, Page 3

Action 407687

QUESTIONS (continued)

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

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<i>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>	
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
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 407687

QUESTIONS (continued)

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

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
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)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>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>	
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
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 407687

QUESTIONS (continued)

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

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	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
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
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
<i>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>	
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

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QUESTIONS, Page 6

Action 407687

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 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	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 407687

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
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. The 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 facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	12/30/2024