ENSOLUM

April 10, 2025

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

Re: Closure Request Addendum
Merchant Central TB
Incident Number nAPP2330461091
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request Addendum* (CRA) to document assessment, excavation, and soil sampling activities at the Merchant Central TB (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a tank battery fire. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this CRA, describing Site assessment, excavation, and additional delineation activities that have occurred and requesting no further action for Incident Number nAPP2330461091.

On January 21, 2025, Ensolum submitted a *Closure Request* (CR) to the New Mexico Oil Conservation Division (NMOCD); however, the CR was denied by the NMOCD for the following reasons:

Remediation closure rejected due to the following: In the remediation plan that was approved on 5/13/24, Matador said excavation was going to occur in the area of S-15 to 5', which had GRO + DRO = 5,460 mg/kg. This was not done. OCD would like to see more delineation samples collected in this area first. Refer to Photograph 2 in the rejected remediation plan from 3/15/24. It is likely that where the oil is seen ponding is where this exceedance is located. Because it has been more than 1 year since the delineation samples were collected, you should collect these samples at both 4' and 5' depth. Submit updated remediation closure report to the OCD by 4/4/25.

On February 24, 2025, Ensolum submitted a CR Addendum to the NMOCD; however, the CR Addendum was denied by the NMOCD for the following reasons:

The requested delineation samples that have been collected were collected in the incorrect location referring to the Photograph 2 from the 3/15/24 rejected remediation plan. Referring to this photograph, the samples should be collected directly south of S-11 and east of TB-3, where these two areas intersect. These samples should be collected at 4' and 5' depths. If exceedances are found, they should be remediated pursuant to 19.15.29.12 NMAC. Submit updated remediation closure report to the OCD by 5/6/25.

This CRA addresses NMOCD's concerns regarding additional sampling around the requested delineation sample location S-15.

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SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit C, Section 35, Township 21 South, Range 33 East, in Lea County, New Mexico (32.44185°, -103.54746°) and is associated with oil and gas exploration and production operations on private land.

On October 31, 2023, a fire occurred at the tank battery, resulting in the release of an unknown volume of produced water and crude oil onto the caliche pad and into adjacent off-pad areas. None of the released fluids were recovered. Matador submitted a Release Notification Form C-141 (C-141) on November 6, 2023. The Form C-141 can be referenced on the NMOCD Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP-01411 POD1, located approximately 0.36 miles west of the Site. The well had a reported depth to groundwater greater than 105 feet below ground surface (bgs) and a total depth of 1,149 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond area, located approximately 3,643 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

ADDITIONAL DELINEATION ACTIVITIES

On November 16, 2023, Talon LPE (Talon) personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Twenty-six boreholes (S-1 through S-22 and TB1 through TB-4) were advanced within the release extent to assess the vertical extent of impacted soil; boreholes S-2 through S-9, S-11 through S-15, S-17, and TB-1 through TB-3 were advanced to a depth of 4 feet bgs, boreholes S-16, S-22, and TB-4 were advanced to a depth of 2 feet bgs, borehole S-1 was advanced to a depth of 3 feet bgs, and borehole S-10 was advanced to a depth of 1-foot bgs.

Following the CR denial, Ensolum personnel were on Site on February 11, 2025, to complete additional delineation soil sampling. Ensolum personnel collected three discrete soil samples in the vicinity of borehole S-15. Delineation soil samples PH01, PH02, and PH03 were collected at depths of 4 feet and 5 feet bgs. The soil samples were field screened for chloride and TPH utilizing Hatch QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively.

Following the CR Addendum denial, Ensolum personnel were on Site on April 2, 2025, to complete additional delineation soil sampling. Ensolum personnel collected two discrete soil samples in the vicinity outlined in the CR Addendum denial. Delineation soil samples PH04 and PH05 were collected at depths of 4 feet and 5 feet bgs. During the delineation activities no obvious signs of impacts, staining, odor, etc. were observed between ground surface and 5 feet bgs. The soil samples were field screened utilizing the same methods described above. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographs from delineation and excavation activities can be referenced in the Photolog in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil sample locations PH01 through PH05 indicated all COCs were in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at 4 feet and 5 feet bgs.

Laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table I by delineation soil samples SS01 through SS07, collected at ground surface, and vertically by boreholes S-1 through S-22 and TB-1 through TB-4, collected at depths up to 11 feet bgs. Excavation of impacted soil and waste-containing soil in areas off pad was completed, and excavation floor samples FS01 through FS314, collected at depths ranging from ground surface to 8 feet bgs, and confirmation sidewall

soil samples SW01 through SW30, collected from ground surface to 4 feet bgs, were all in compliance with the Closure Criteria and with the reclamation requirement.

Delineation soil samples PH01 through PH03 address concerns brought forth in the CR denial in the vicinity of borehole S-15.

Based on the remedial actions completed to date and a depth to groundwater greater than 105 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2330461091. If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely,
Ensolum, LLC

Chad Hamilton
Project Geologist

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

Appendices:

Cc: Matador

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Soil Samples)
Tabe 3	Soil Sample Analytical Results (Sidewall Soil Samples)

Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Notifications

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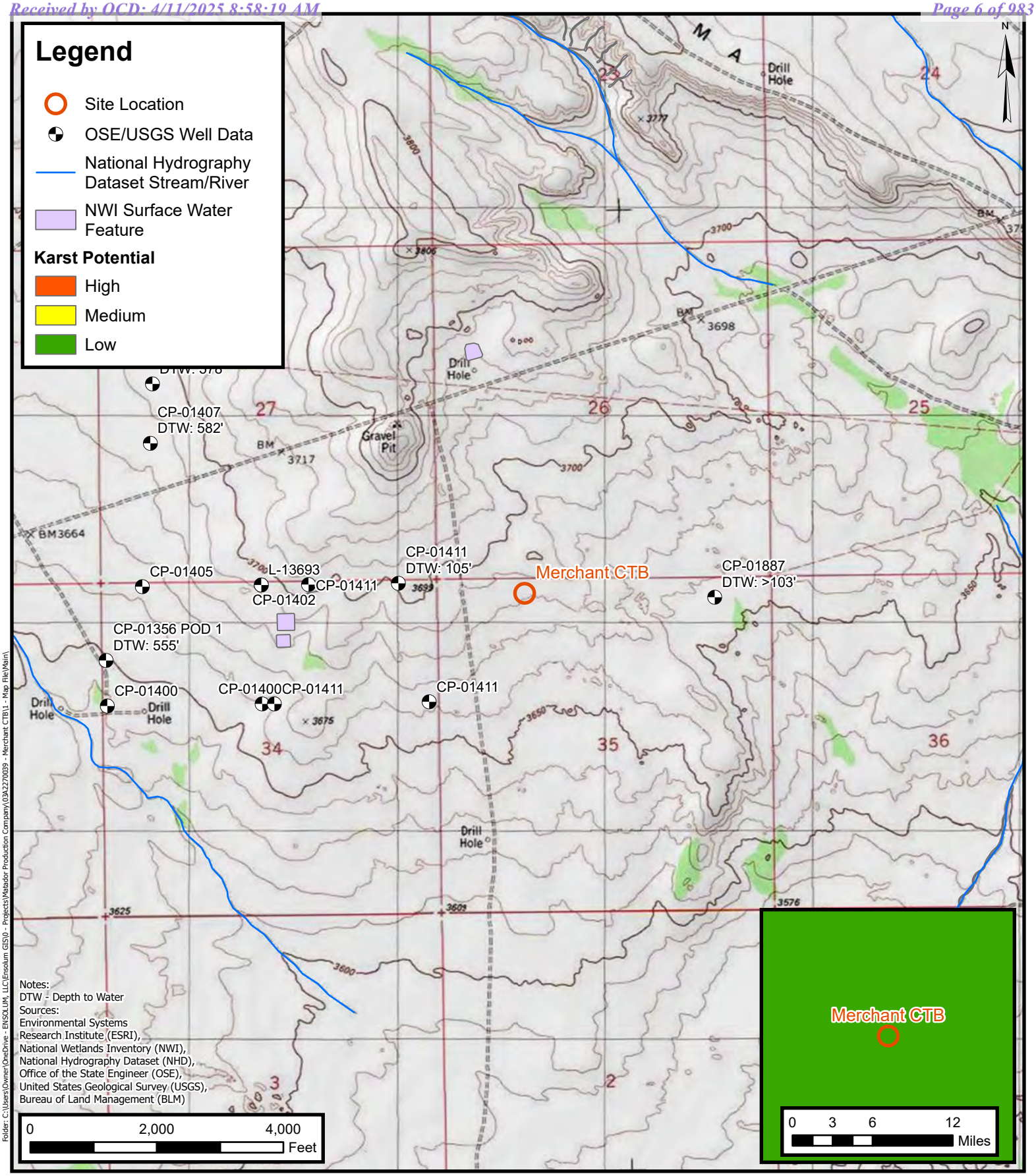
FIGURES



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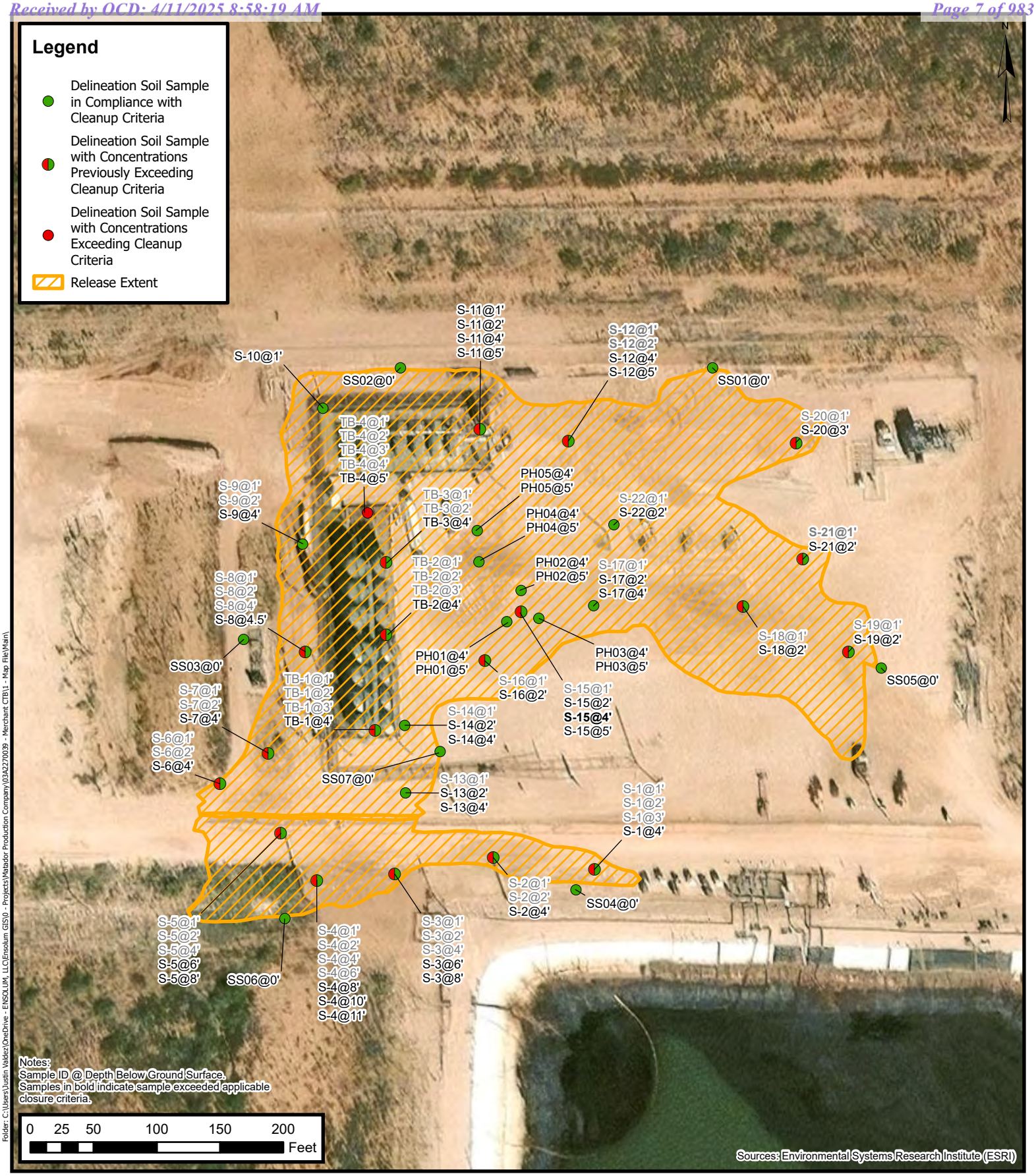
Site Receptor Map

Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091
Unit C, Section 35, T 21S, R 33E
Lea County, New Mexico

FIGURE 1



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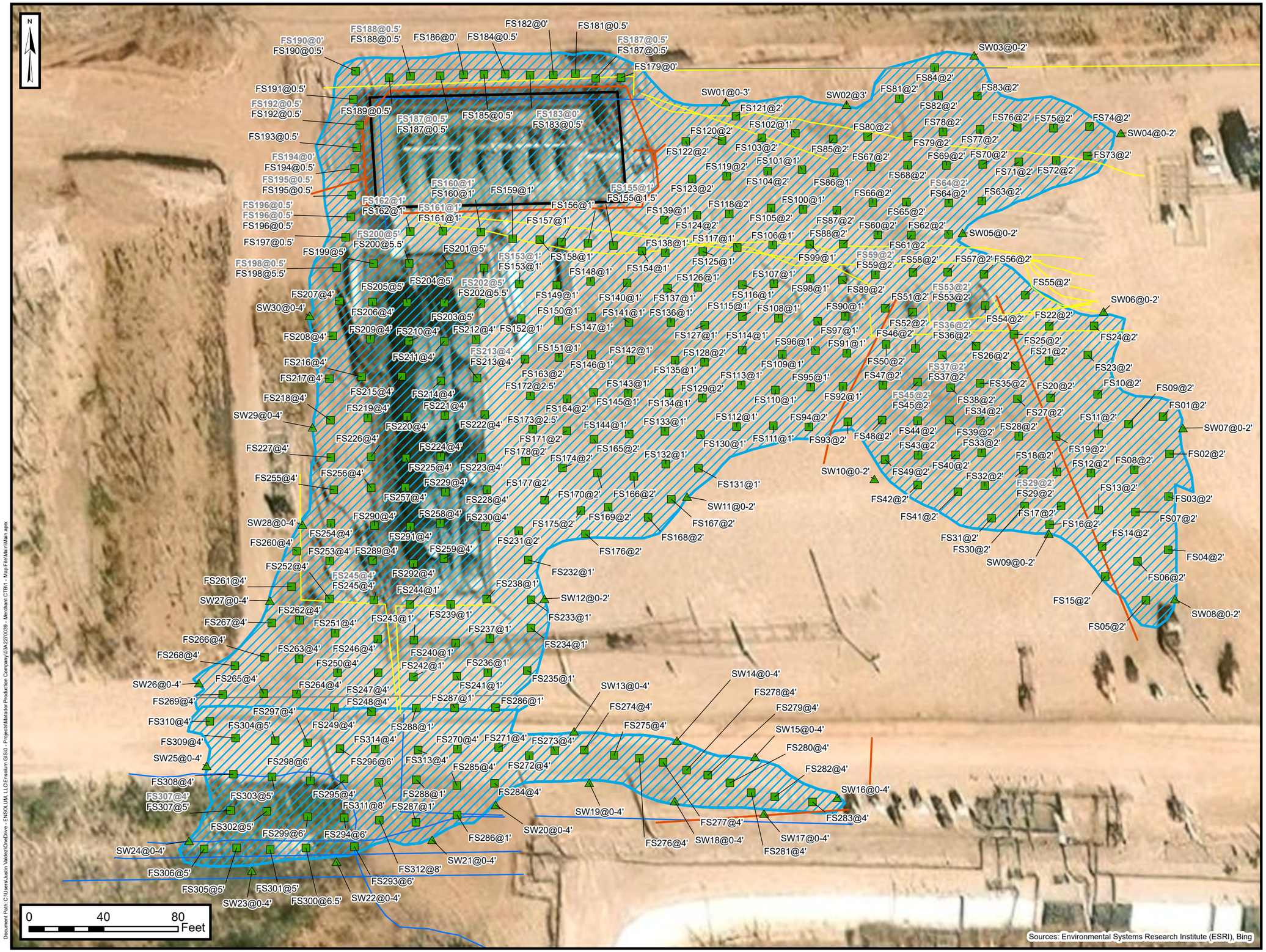
Delineation Soil Sample Locations

Matador Production Company
Merchant CTB
Incident Number: nAPP2330461091
Unit L, Section 35, T 21S, R 33E
Lea County, New Mexico

FIGURE 2



Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- <all other values>
- Liner Containment Area
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface.
Samples in bold indicate sample exceeded applicable closure criteria.
Grey text indicate soil sample was removed during excavation activities.

Confirmation Sample Locations

Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091
Unit C, Section 35, T 21S, R 33E
Lea County, New Mexico

FIGURE 3

Project Number: 03A2270039

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples (Off-Pad)										
S-1	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	9,010
S-1	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	8,860
S-1	11/16/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	8,100
S-1	4/1/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.6
S-2	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,360
S-2	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
S-2	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
S-3	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	9,010
S-3	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	4,500
S-3	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	6,090
S-3	3/29/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	247
S-3	3/29/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	285
S-4	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	7,630
S-4	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	8,960
S-4	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	3,470
S-4	3/29/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,150
S-4	3/29/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	552
S-4	3/29/2024	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,560
S-4	3/29/2024	11	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	361
S-5	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	6,820
S-5	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	4,220
S-5	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	6,940
S-5	3/29/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	260
S-5	3/29/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	166
S-6	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,940
S-6	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	879
S-6	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	26.3
S-7	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,850
S-7	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,370
S-7	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
S-8	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,530

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples (On-Pad)										
S-8	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,710
S-8	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,500
S-8	5/1/2024	4.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	53.9
S-9	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	190
S-9	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	37.6
S-9	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	172
S-10	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	58.6
S-11	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,470
S-11	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	214
S-11	11/16/2023	4	<0.0250	<0.0250	53.9	94.3	<50.0	148.2	148.2	409
S-11	5/1/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	48.3
S-12	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	**1,170**
S-12	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	**1,240**
S-12	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,040
S-12	4/1/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	147
S-13	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	70.3
S-13	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
S-13	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	61.8
S-14	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	69.0
S-14	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
S-14	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	39.0
S-15	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	29.9
S-15	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	195
S-15	11/16/2023	4	<0.0250	<0.0250	1,590	3,870	<50.0	**5,460**	**5,460**	5,480
S-15	10/22/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	391
S-15	3/29/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	38
S-16	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	958
S-16	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	58.3
S-17	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	45.1
S-17	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	63.7
S-17	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	65.9
S-18	11/16/2023	1	<0.0250	<0.0250	<20.0	35.7	<50.0	35.7	35.7	15,500

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples (On-Pad)										
S-18	4/1/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
S-19	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	6,850
S-19	4/1/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	121
S-20	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	12,500
S-20	4/1/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	25.2
S-21	11/16/2023	1	<0.0250	<0.0250	<20.0	3,100	<50.0	**3,100**	**3,100**	3,500
S-21	4/1/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
S-22	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	239
S-22	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	146
PH01	2/11/2025	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	27.7
PH01	2/11/2025	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.8
PH02	2/11/2025	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
PH02	2/11/2025	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
PH03	2/11/2025	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
PH03	2/11/2025	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
PH04	4/2/2025	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	31.4
PH04	4/2/2025	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	34.5
PH05	4/2/2025	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
PH05	4/2/2025	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	40.1
Delineation Soil Samples (Tank Battery Containment)										
TB-1	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	747
TB-1	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	116
TB-1	11/16/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
TB-1	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
TB-2	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	191
TB-2	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,870
TB-2	11/16/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	25.5
TB-2	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	35.1

ENSOLUM

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples (Tank Battery Containment)										
TB-3	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,260
TB-3	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	3,260
TB-3	11/16/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	530
TB-4	11/16/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	10,600
TB-4	11/16/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	921
TB-4	11/11/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	8,600
TB-4	11/11/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,200
TB-4	11/11/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	66.2
Delineation Soil Samples (Laterals)										
SS01	4/1/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS02	4/1/2024	0	<0.0250	<0.0250	<20.0	25.3	<50.0	25.3	25.3	129
SS03	4/1/2024	0	<0.0250	<0.0250	<20.0	45.9	<50.0	45.9	45.9	69.4
SS04	4/1/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	130
SS05	4/1/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	197
SS06	5/1/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	31.4
SS07	5/1/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	24.3

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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

ENSOLUM

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Excavation Floor Soil Samples										
FS01	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	109
FS02	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	216
FS03	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	20.9
FS04	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS05	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS06	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS07	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	25.5
FS08	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	35.4
FS09	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	99.6
FS10	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	50.4
FS11	10/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	40.0
FS12	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	375
FS13	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	232
FS14	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS15	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS16	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS17	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	114
FS18	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS19	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS20	10/29/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	349
FS21	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	243
FS22	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	57.3
FS23	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	25.0
FS24	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS25	10/28/2024	2	<0.0250	<0.0500	<20.0	30.1	<50.0	30.1	30.1	346
FS26	10/29/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	345
FS27	10/29/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	343
FS28	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	322
FS29	10/28/2024	2	<0.0250	<0.0500	<20.0	33.0	78.8	33.0	111.8	162
FS29	11/11/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS30	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	269
FS31	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	23.8
FS32	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	137

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS33	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	235
FS34	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	115
FS35	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS36	10/28/2024	2	<0.0250	<0.0500	<20.0	108	175	108	283	347
FS36	11/11/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS37	11/6/2024	2	<0.0250	<0.0500	<20.0	73.4	125.0	73.4	198	214
FS37	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS38	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	318
FS39	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.4
FS40	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.3
FS41	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	381
FS42	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	118
FS42	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.5
FS43	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.8
FS44	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.4
FS45	11/6/2024	2	<0.0250	<0.0500	<20.0	60.8	93.3	60.8	154	372
FS45	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS46	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS47	11/6/2024	2	<0.0250	<0.0500	<20.0	25.8	<50.0	25.8	25.8	324
FS48	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	271
FS49	10/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	162
FS50	11/6/2024	2	<0.0250	<0.0500	<20.0	26.6	<50.0	26.6	26.6	372
FS51	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS52	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS53	12/3/2024	2	<0.0250	<0.0500	<20.0	207	174	207	381	125
FS53	12/11/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS54	11/6/2024	2	<0.0250	<0.0500	<20.0	45.7	<50.0	45.7	45.7	74.5
FS55	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	151
FS56	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	338
FS57	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS58	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS59	11/6/2024	2	<0.0250	<0.0500	<20.0	46.8	59.8	46.8	106.6	189
FS59	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.3

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS60	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS61	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS62	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.6
FS63	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.1
FS64	11/6/2024	2	<0.0250	<0.0500	<20.0	105	<50.0	105	105	99.5
FS64	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS65	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.2
FS66	11/6/2024	2	<0.0250	<0.0500	<20.0	78.9	<50.0	78.9	78.9	316
FS67	11/6/2024	2	<0.0250	<0.0500	<20.0	69	<50.0	69	69	363
FS68	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	372
FS69	11/6/2024	2	<0.0250	<0.0500	<20.0	54.2	<50.0	54.2	54.2	225
FS70	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS71	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
FS72	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	365
FS73	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS74	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	241
FS75	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	182
FS76	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
FS77	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	122
FS78	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	282
FS79	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.3
FS80	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.7
FS81	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.7
FS82	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	179
FS83	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242
FS84	11/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	203
FS85	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.8
FS86	11/7/2024	1	<0.0250	<0.0500	<20.0	76.2	<50.0	76.2	76.2	414
FS87	12/3/2024	2	<0.0250	<0.0500	<20.0	34.4	<50.0	34.4	34.4	305
FS88	12/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.4
FS89	12/3/2024	2	<0.0250	<0.0500	<20.0	30.9	<50.0	30.9	30.9	20.0
FS90	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	434
FS91	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	530

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Excavation Floor Soil Samples										
FS92	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS93	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.3
FS94	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.7
FS95	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.9
FS96	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	482
FS97	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.9
FS98	12/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS99	12/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS100	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	373
FS101	11/7/2024	1	<0.0250	<0.0500	<20.0	54.0	<50.0	54.0	54.0	127
FS102	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS103	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS104	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
FS105	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	308
FS106	12/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS107	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	166
FS108	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	97.3
FS109	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS110	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.6
FS111	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.3
FS112	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS113	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS114	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS115	12/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS116	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	163
FS117	11/7/2024	1	<0.0250	<0.0500	<20.0	29.4	<50.0	29.4	29.4	491
FS118	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	37.2
FS119	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	89.1
FS120	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	29.3
FS121	11/7/2024	2	<0.0250	<0.0500	<20.0	30.9	<50.0	30.9	30.9	57.3
FS122	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS123	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	35.4
FS124	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	514

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS125	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	51.8
FS126	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS127	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS128	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	35.9
FS129	11/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	137
FS130	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS131	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS132	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	47.7
FS133	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	240
FS134	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	23.2
FS135	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	121
FS136	11/7/2024	1	<0.0250	<0.0500	<20.0	29.2	<50.0	29.2	29.2	416
FS137	12/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	21.4
FS138	12/4/2024	1	<0.0250	<0.0500	<20.0	29.2	<50.0	29.2	29.2	132
FS139	11/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	75.0
FS140	11/11/2024	1	<0.0250	<0.0500	<20.0	27.8	<50.0	27.8	27.8	309
FS141	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS142	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	58.3
FS143	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	32.9
FS144	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	82.8
FS145	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS146	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	111
FS147	11/11/2024	1	<0.0250	<0.0500	<20.0	91.1	<50.0	91.1	91.1	453
FS148	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	280
FS149	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	42.5
FS150	11/11/2024	1	<0.0250	<0.0500	<20.0	30.3	<50.0	30.3	30.3	246
FS151	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	236
FS152	11/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	199

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS153	11/20/2024	1	<0.0250	<0.0500	<20.0	182	65.6	182	247.6	66.5
FS153	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	20.9
FS154	11/20/2024	1	<0.0250	<0.0500	<20.0	32.4	<50.0	32.4	32.4	431
FS155	12/4/2024	1	<0.0250	<0.0500	<20.0	275	<50.0	275	275	154
FS155	12/13/2024	1.5	<0.0250	<0.0500	<20.0	58.1	<50.0	58.1	58.1	301
FS156	11/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS157	11/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS158	11/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS159	11/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS160	11/20/2024	1	<0.0250	<0.0500	<20.0	45.8	61.8	45.8	107.6	211
FS160	12/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS161	11/20/2024	1	<0.0250	<0.0500	<20.0	69.6	122	69.9	191.6	108
FS161	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	22.0
FS162	11/20/2024	1	<0.0250	<0.0500	<20.0	36.6	65.5	36.6	102.1	228
FS162	12/4/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	46.5
FS163	12/4/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	26.3
FS164	12/4/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS165	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS166	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS167	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS168	11/20/2024	2	<0.0250	<0.0500	<20.0	32.3	<50.0	32.3	32.3	<20.0
FS169	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS170	11/20/2024	2	<0.0250	<0.0500	<20.0	29.6	<50.0	29.6	29.6	<20.0
FS171	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS172	11/25/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	66.1
FS173	11/25/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS174	11/20/2024	2	<0.0250	<0.0500	<20.0	26.9	<50.0	26.9	26.9	58.5
FS175	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS176	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS177	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS178	11/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	202
FS179	11/22/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	142
FS180	11/22/2024	0	<0.0250	<0.0500	<20.0	177	85.4	177	262.4	452

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS180	12/4/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	71.2
FS181	11/25/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	20.5
FS181	11/25/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	179
FS182	11/22/2024	0	<0.0250	<0.0500	<20.0	61.0	<50.0	61.0	61.0	140
FS183	11/22/2024	0	<0.0250	<0.0500	<20.0	97.7	<50.0	97.7	97.7	1,340
FS183	12/4/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	104
FS184	11/25/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	201
FS185	11/25/2024	0.5	<0.0250	<0.0500	<20.0	63.5	<50.0	63.5	63.5	164
FS186	11/22/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	64.9
FS187	11/25/2024	0.5	<0.0250	<0.0500	<20.0	87.5	62.0	87.5	150	250
FS187	12/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	33.7
FS188	11/25/2024	0.5	<0.0250	<0.0500	<20.0	111	138	111	249	214
FS188	12/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS189	12/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	32.4
FS190	11/22/2024	0	<0.0250	<0.0500	<20.0	155	139	155	294	111
FS190	12/4/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	26.2
FS191	11/25/2024	0.5	<0.0250	<0.0500	<20.0	27.0	<50.0	27.0	27.0	35.3
FS192	11/25/2024	0.5	<0.0250	<0.0500	<20.0	182	165	182	347	91.8
FS192	12/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	48.8
FS193	11/25/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS194	11/25/2024	0	<0.0250	<0.0500	<20.0	115	217	115	332	262
FS194	12/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS195	11/25/2024	0.5	<0.0250	<0.0500	<20.0	132	153	132	285	213
FS195	12/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	23.4
FS196	11/25/2024	0.5	<0.0250	<0.0500	<20.0	80.1	114	80.1	194	235
FS196	12/16/2024	0.5	<0.0250	<0.0500	<20.0	102	50.2	102	152.2	<20.0
FS196	12/31/2024	0.5	<0.0250	<0.0500	<0.20.0	<25.0	<50.0	<20.0	<20.0	60.0
FS197	11/25/2024	0.5	<0.0250	<0.0500	<0.20.0	<25.0	<50.0	<20.0	<20.0	206
FS198	11/25/2024	0.5	<0.0250	<0.0500	<20.0	58.1	57.3	58.1	115.4	39.8
FS198	12/16/2024	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	66.4
FS199	11/25/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS200	11/25/2024	5	<0.0250	<0.0500	<20.0	409	575	409	984	<20.0
FS200	12/31/2024	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	75.7

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS201	11/25/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS202	11/25/2024	5	<0.0250	<0.0500	<20.0	71.4	124	71.4	195	534
FS202	12/16/2024	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS203	11/25/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	92.0
FS204	11/25/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS205	11/26/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	54.2
FS206	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	63.7
FS207	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	94.0
FS208	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	210
FS209	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	184
FS210	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	46.2
FS211	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	320
FS212	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	307
FS213	11/26/2024	4	<0.0250	<0.0500	<20.0	43.2	76.3	43.2	120	212
FS213	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	281
FS214	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	91.2
FS215	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	54.6
FS216	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS217	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	85.3
FS218	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS219	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	33.9
FS220	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	87.9
FS221	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	296
FS222	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	71.8
FS223	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS224	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS225	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS226	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS227	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	30.2
FS228	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS229	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS230	11/26/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS231	11/26/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS232	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS233	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	42.0
FS234	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS235	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS236	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS237	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS238	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	32.8
FS239	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS240	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS241	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS242	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS243	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	184
FS244	11/26/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	57.2
FS245	11/27/2024	4	<0.0250	<0.0500	<20.0	99.6	80.9	99.6	180.5	161
FS245	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS246	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	286
FS247	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	34.5
FS248	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	67.2
FS249	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	136
FS250	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	22.5
FS251	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	144
FS252	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS253	11/27/2024	4	<0.0250	<0.0500	<20.0	28.3	<50.0	28.3	28.3	<20.0
FS254	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS255	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	26.8
FS256	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	44.5
FS257	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	86.0
FS258	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	30.7
FS259	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS260	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS261	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS262	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	54.7
FS263	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	27.3
FS264	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	146
FS265	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS266	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	127
FS267	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS268	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	91.1
FS269	11/27/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	42.9
FS270	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	271
FS271	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	73.0
FS272	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	71.4
FS273	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	34.4
FS274	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	24.7
FS275	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	178
FS276	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	110
FS277	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	30.3
FS278	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	93.0
FS279	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	53.6
FS280	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	229
FS281	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	134
FS282	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS283	12/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	385
FS284	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	313
FS285	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	159
FS286	12/10/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	28.3
FS287	12/10/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	33.8
FS288	12/10/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	30.6
FS289	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS290	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	50.7
FS291	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	30.1
FS292	12/11/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS293	12/13/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	372

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Excavation Floor Soil Samples										
FS294	12/13/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	390
FS295	12/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	439
FS296	12/13/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS297	12/12/2024	4	<0.0250	<0.0500	<20.0	48.5	<50.0	48.5	48.5	311
FS298	12/13/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	38.7
FS299	12/13/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	301
FS300	12/13/2024	6.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	247
FS301	12/16/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	198
FS302	12/16/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS303	12/16/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS304	12/16/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	152
FS305	12/16/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS306	12/16/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS307	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	677
FS307	12/31/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	76.9
FS308	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	113
FS309	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	113
FS310	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	282
FS311	12/13/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	87.7
FS312	12/13/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	527
FS313	12/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	233
FS314	12/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	186

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Grey text represents samples that have been excavated
"<": Laboratory Analytical result is less than reporting limit
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*
** Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.*

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

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TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Sidewall Soil Samples										
SW01	11/13/2024	0-3	<0.0250	<0.0500	<20.0	38.6	<50.0	38.6	38.6	207
SW02	11/13/2024	0-3	<0.0250	<0.0500	<20.0	28.7	<50.0	28.7	28.7	123
SW03	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	182
SW04	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	384
SW05	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	543
SW06	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	25.3
SW07	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	30.7
SW08	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SW09	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	238
SW10	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SW11	11/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	41.8
SW12	12/12/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	20.3
SW13	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	35.2
SW14	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	191
SW15	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	20.2

ENSOLUM

TABLE 3 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Merchant CTB
Matador Production Company
Lea 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**	**1,000**	**2,500**	**20,000**
Sidewall Soil Samples										
SW16	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	340
SW17	12/13/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	33.1
SW18	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	186
SW19	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SW20	12/13/2024	0-4	<0.0250	<0.0500	<20.0	42.9	50.8	42.9	93.7	120
SW21	12/13/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	103
SW22	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	93.5
SW23	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	66.4
SW24	12/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SW25	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	61.8
SW26	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SW27	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	24.1
SW28	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	34.3
SW29	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	25.8
SW30	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	21.4

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

*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*
** Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.*

ENSOLUM

APPENDIX

Well Log and Record

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER)	OSE FILE NUMBER(S)
POD 1 CP-1411	
WELL OWNER NAME(S)	PHONE (OPTIONAL)
BC Operating	432-684-9696
WELL OWNER MAILING ADDRESS	CITY / STATE / ZIP
4000 Big Spring St. STE 310	Midland / TX / 79705

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	26	32.4	N
LONGITUDE	103	33	12.9	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1723	Randal P Stewart	Stewart Brothers Drilling Company

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/9/14	10/14/14	1149	1149	800

COMPLETED WELL IS: (•) ARTESIAN ( ) DRY HOLE ( ) SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID: ( ) AIR (•) MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ( ) ROTARY ( ) HAMMER ( ) CABLE TOOL ( ) OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	40	20	A 53 Grade B	Welded	15.5	.250	
+2	800	14 3/4	A 53 Grade B	Threaded	10.02	.365	
780	1149	9 7/8	A 53 Grade B	Welded	8	.322	.125

2014 DEC 26 STATE ENGINEER ROSWELL, NM

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	40	20	Neat Cement	31	Pressure via Tremi
0	800	14 3/4	Class C (Chief Services)	540 Sks	Chief Services

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1411	POD NUMBER	1	TRN NUMBER	554648
LOCATION	Exp	21S.33E.34.22			PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	40	40	Brown Fine Sand and Clays, some caliche	○ Y ◉ N	
40	100	60	Reddish Brown clays and Sands	○ Y ◉ N	
100	200	100	Clays and Sands	○ Y ◉ N	
200	300	100	Red and Brown clay with some sand	○ Y ◉ N	
300	400	100	Red Clay	○ Y ◉ N	
400	500	100	Clay and Sand	○ Y ◉ N	
500	700	200	Reddish and gray clay	○ Y ◉ N	
700	750	50	Red Clay and harder sands and gravels	○ Y ◉ N	
750	770	20	Fine sand	○ Y ◉ N	
770	780	10	Gray Shale	○ Y ◉ N	
780	790	10	Gray Brown Sandstone	○ Y ◉ N	
790	800	10	Brown SS with some gray gravel	○ Y ◉ N	
800	820	10	Santa Rosa SS	◉ Y ○ N	
820	1145	325	Santa Rosa Sand	◉ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ◉ PUMP ○ AIR LIFT ○ BAILER ○ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 50

STATE ENGINEER OFFICE ROSWELL, NEW MEXICO 2014 DEC 26 AM 9:

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Danny White, Don Ward, Davis Gaddy

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10/30/14
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1411	POD NUMBER	1	TRN NUMBER	534668
LOCATION	Exp 1	21S.33E.34.22			PAGE 2 OF 2

ENSOLUM

APPENDIX

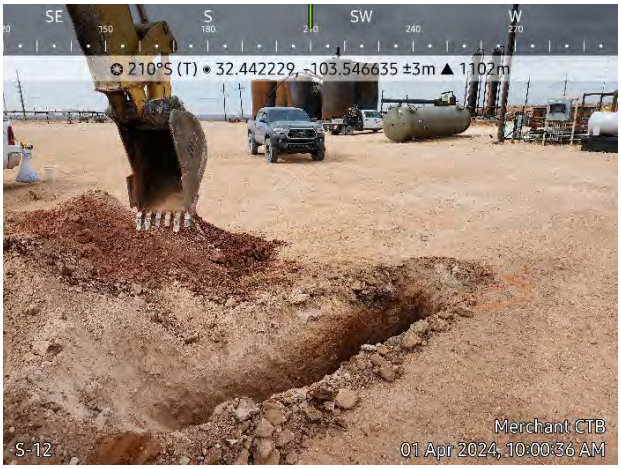
Photographic Log

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 1 Date: 04/01/2024
Description: Delineation Potholing
View: Northeast

Photograph 2 Date: 04/01/2024
Description: Delineation Potholing
View: East

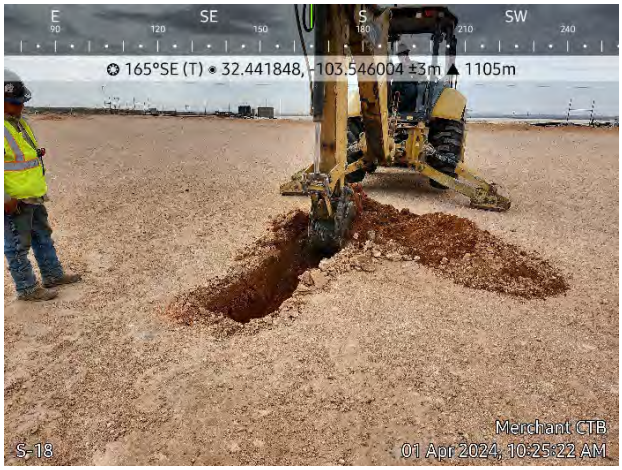


Photograph 3 Date: 04/01/2024
Description: Delineation Potholing
View: Southwest

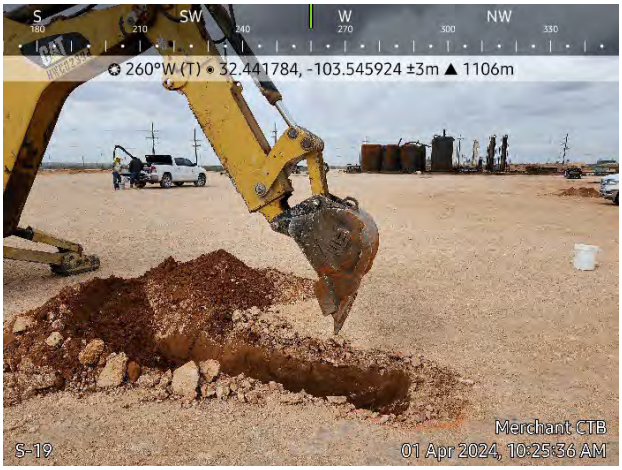
Photograph 4 Date: 04/01/2024
Description: Delineation Potholing
View: West

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091



Photograph 5 Date: 04/01/2024
Description: Delineation Potholing
View: South



Photograph 6 Date: 04/01/2024
Description: Delineation Potholing
View: West

Photograph 7 Date: 04/01/2024
Description: Delineation Potholing
View: South

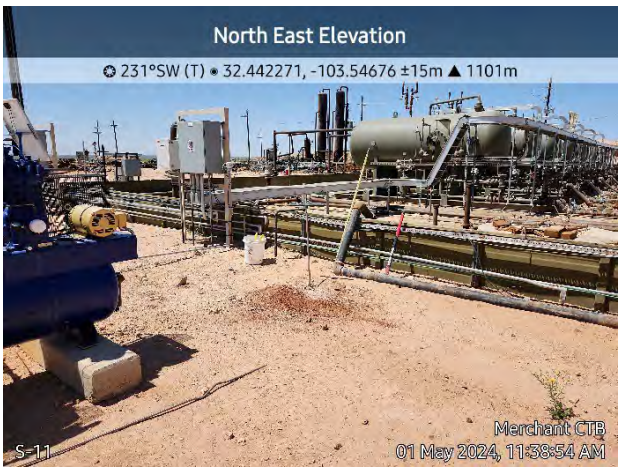
Photograph 8 Date: 04/01/2024
Description: Delineation Sampling
View: North

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 9 Date: 04/01/2024
Description: Delineation Sampling
View: North

Photograph 10 Date: 05/01/2024
Description: Delineation Sampling
View: East



Photograph 11 Date: 05/01/2024
Description: Delineation Sampling
View: Northeast

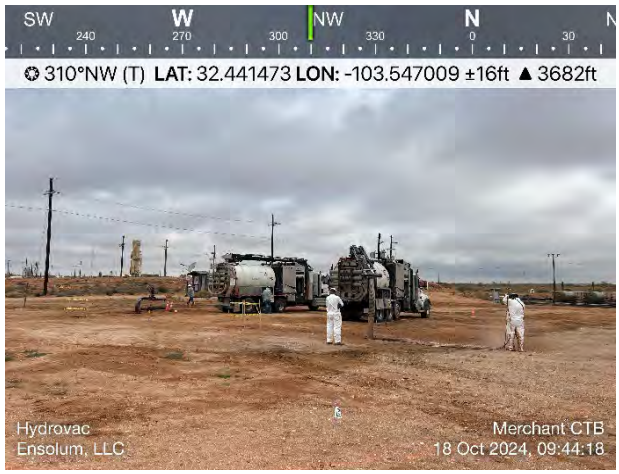
Photograph 12 Date: 05/01/2024
Description: Delineation Sampling
View: West

ENSOLUM

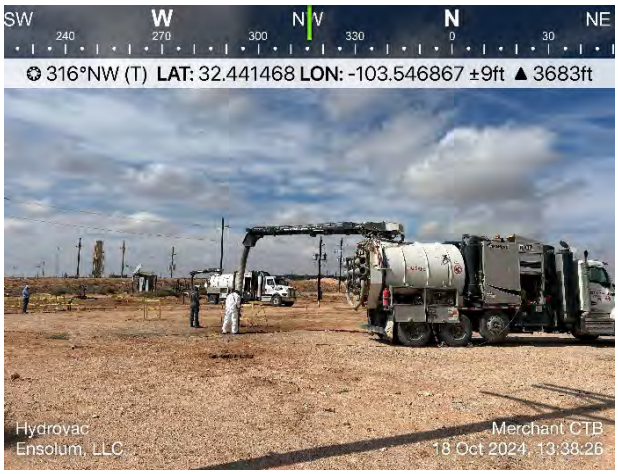
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 13 Date: 10/17/2024
Description: Hydrovac
View: East

Photograph 14 Date: 10/17/2024
Description: Hydrovac
View: Northeast



Photograph 15 Date: 10/18/2024
Description: Hydrovac
View: Northwest

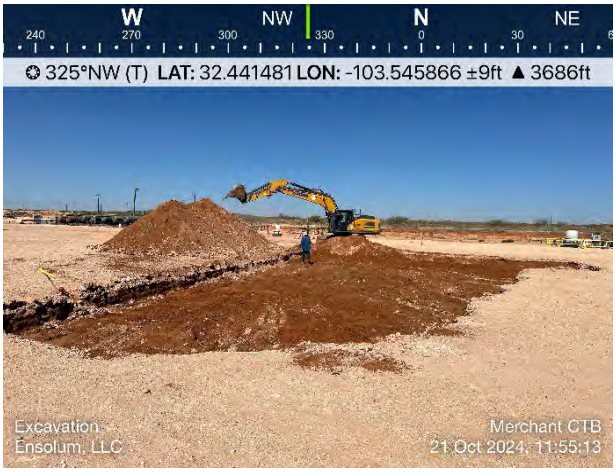


Photograph 16 Date: 10/18/2024
Description: Hydrovac
View: Northwest

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 17 Date: 10/21/2024
Description: Excavation
View: Northwest



Photograph 18 Date: 10/21/2024
Description: Excavation
View: Northwest

Photograph 19 Date: 10/21/2024
Description: Excavation
View: West

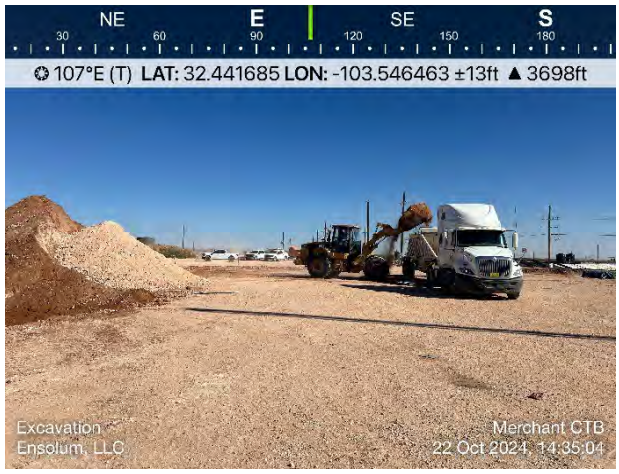
Photograph 20 Date: 10/21/2024
Description: Excavation
View: West

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 21 Date: 10/22/2024
Description: Excavation
View: Southwest

Photograph 22 Date: 10/22/2024
Description: Excavation
View: East



Photograph 23 Date: 10/22/2024
Description: Excavation
View: East

Photograph 24 Date: 10/22/2024
Description: S15 Borehole
View: East

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 25 Date: 10/23/2024
Description: Excavation
View: Northwest

Photograph 26 Date: 10/23/2024
Description: Excavation
View: Northeast

Photograph 27 Date: 10/23/2024
Description: Excavation
View: Northwest

Photograph 28 Date: 10/23/2024
Description: Excavation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 29 Date: 10/24/2024
Description: Excavation
View: West

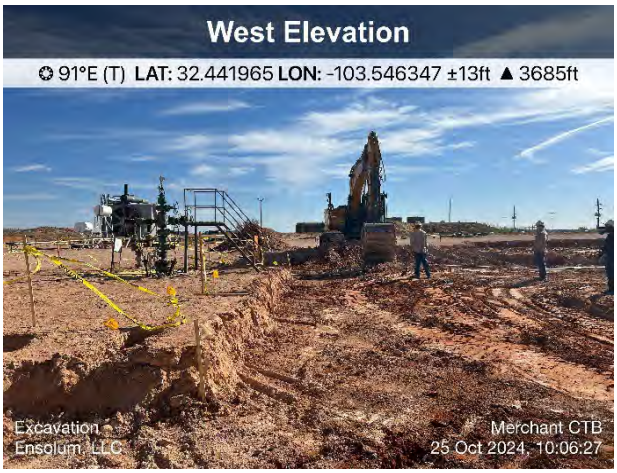
Photograph 30 Date: 10/24/2024
Description: Excavation
View: Southeast

Photograph 31 Date: 10/24/2024
Description: Excavation
View: West

Photograph 32 Date: 10/24/2024
Description: Excavation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091



Photograph 33 Date: 10/25/2024
Description: Excavation
View: East

Photograph 34 Date: 10/25/2024
Description: Excavation
View: West

Photograph 35 Date: 10/25/2024
Description: Excavation
View: East

Photograph 36 Date: 10/25/2024
Description: Excavation
View: South

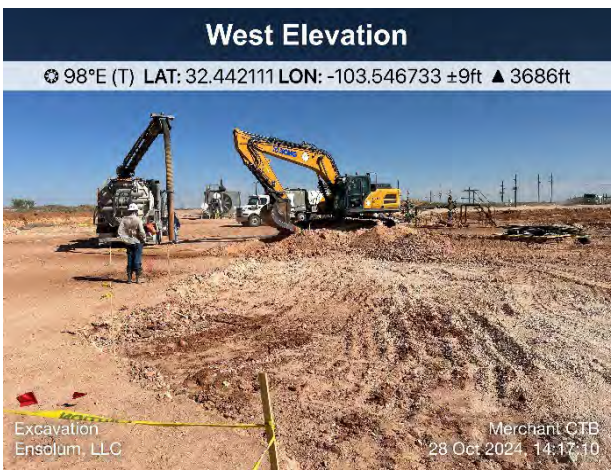
ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 37 Date: 10/28/2024
Description: Excavation
View: Northwest

Photograph 38 Date: 10/28/2024
Description: Excavation
View: North

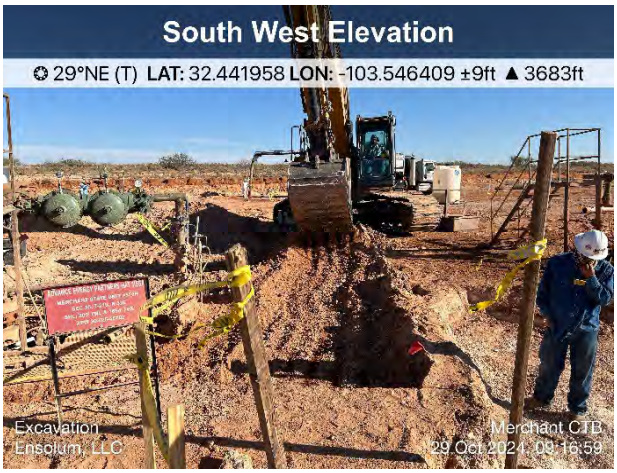
Photograph 39 Date: 10/28/2024
Description: Excavation
View: East



Photograph 40 Date: 10/28/2024
Description: Excavation
View: East

ENSOLUM

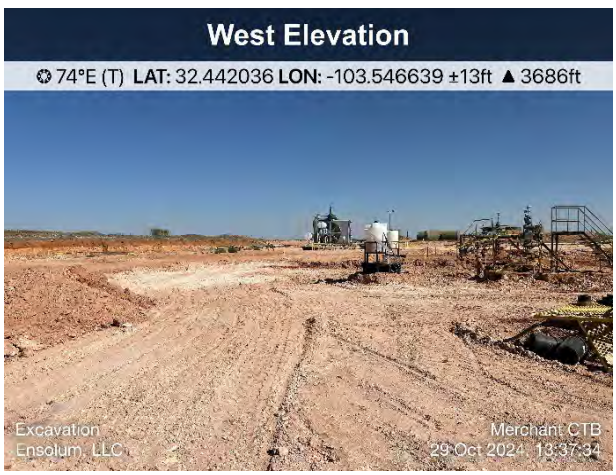
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091



Photograph 41 Date: 10/29/2024
Description: Excavation
View: Northeast

Photograph 42 Date: 10/29/2024
Description: Excavation
View: Southwest

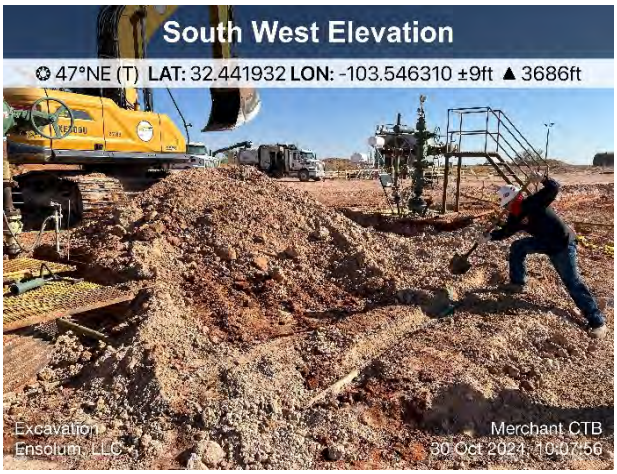
Photograph 43 Date: 10/29/2024
Description: Excavation
View: North



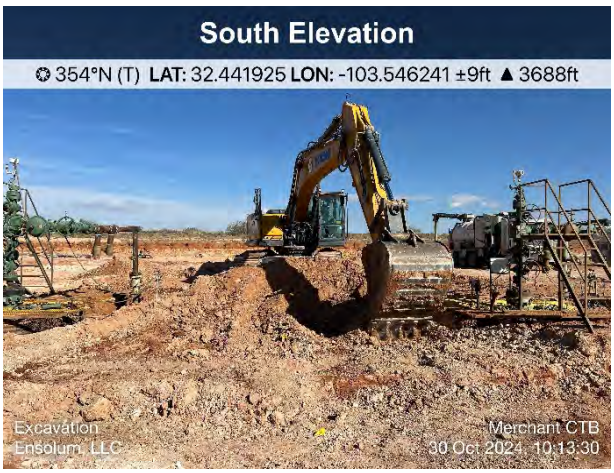
Photograph 44 Date: 10/29/2024
Description: Excavation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

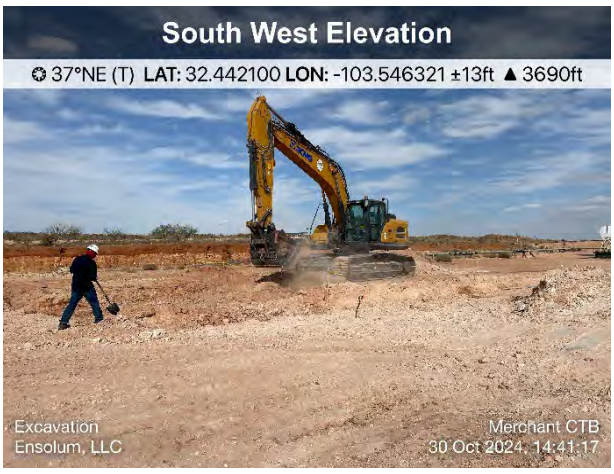


Photograph 45 Date: 10/30/2024
Description: Excavation
View: Northeast



Photograph 46 Date: 10/30/2024
Description: Excavation
View: North

Photograph 47 Date: 10/30/2024
Description: Excavation
View: North



Photograph 48 Date: 10/30/2024
Description: Excavation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 49 Date: 10/31/2024
Description: Excavation
View: West

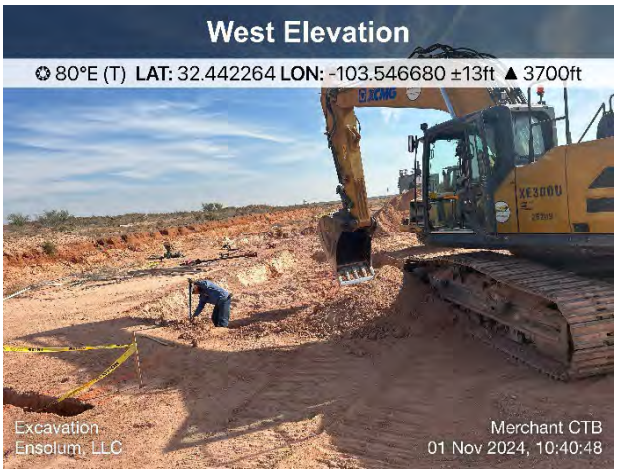
Photograph 50 Date: 10/31/2024
Description: Excavation
View: North

Photograph 51 Date: 10/31/2024
Description: Excavation
View: West

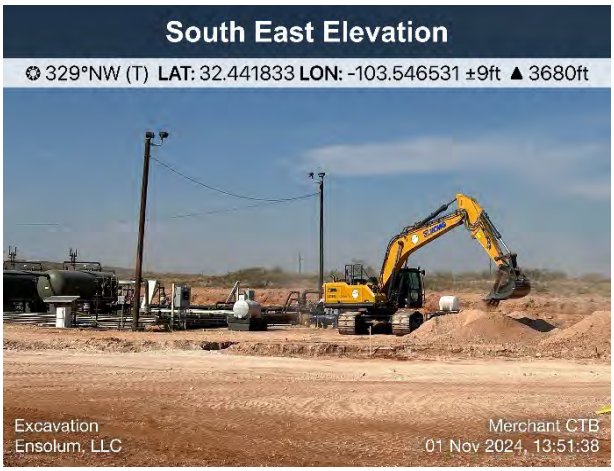
Photograph 52 Date: 10/31/2024
Description: Excavation
View: Southeast

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

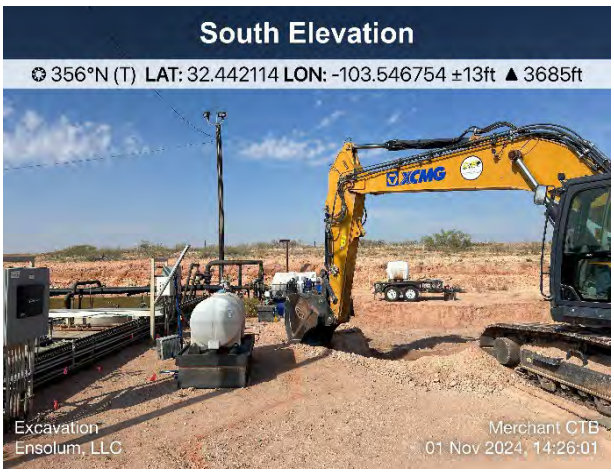


Photograph 53 Date: 11/01/2024
Description: Excavation
View: East



Photograph 54 Date: 11/01/2024
Description: Excavation
View: Northwest

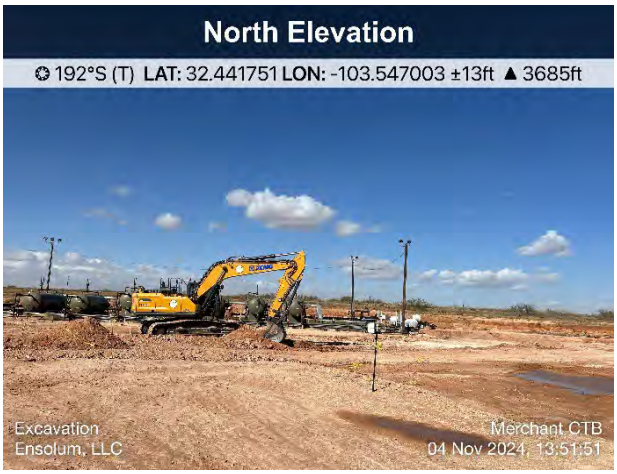
Photograph 55 Date: 11/01/2024
Description: Excavation
View: West



Photograph 56 Date: 11/01/2024
Description: Excavation
View: North

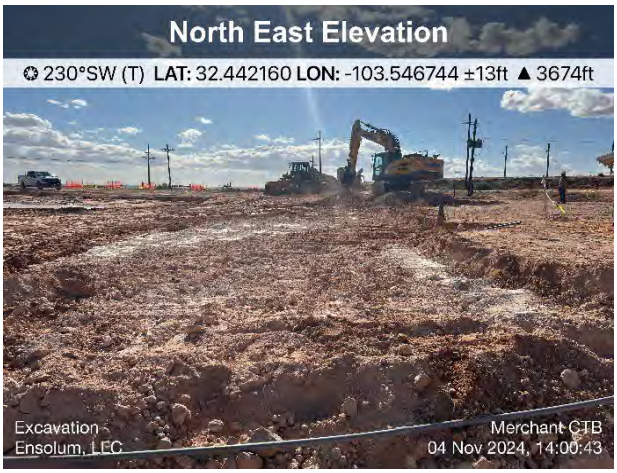
ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091



Photograph 57 Date: 11/04/2024
Description: Excavation
View: South

Photograph 58 Date: 11/04/2024
Description: Excavation
View: Northeast



Photograph 59 Date: 11/04/2024
Description: Excavation
View: Southwest

Photograph 60 Date: 11/04/2024
Description: Excavation
View: North

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 61 Date: 11/05/2024
Description: Excavation
View: Northwest

Photograph 62 Date: 11/05/2024
Description: Excavation
View: Northwest

Photograph 63 Date: 11/05/2024
Description: Excavation
View: Southwest

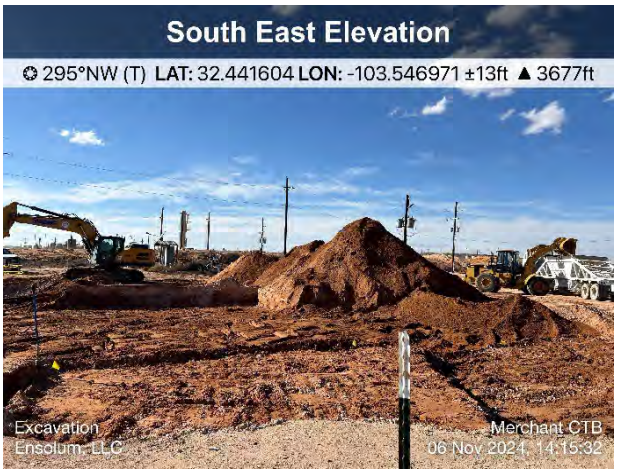
Photograph 64 Date: 11/05/2024
Description: Excavation
View: West

ENSOLUM

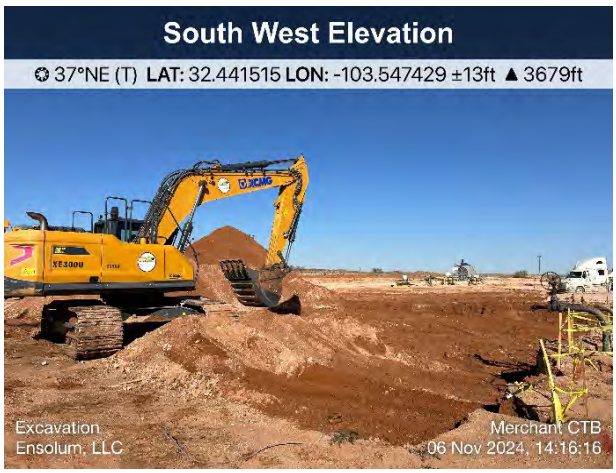
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 65 Date: 11/06/2024
Description: Excavation
View: Northwest

Photograph 66 Date: 11/06/2024
Description: Excavation
View: Northwest



Photograph 67 Date: 11/06/2024
Description: Excavation
View: Northwest

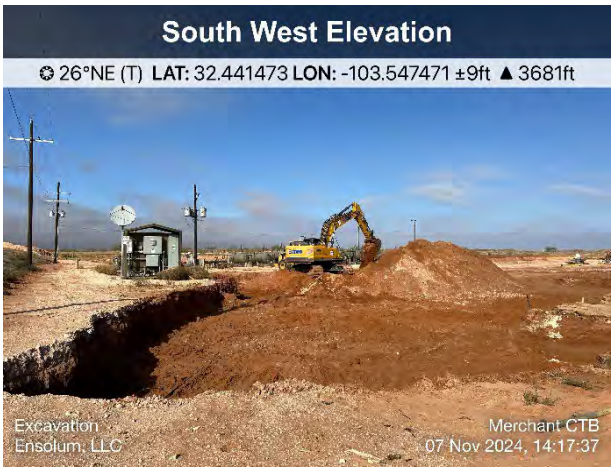


Photograph 68 Date: 11/06/2024
Description: Excavation
View: Northeast

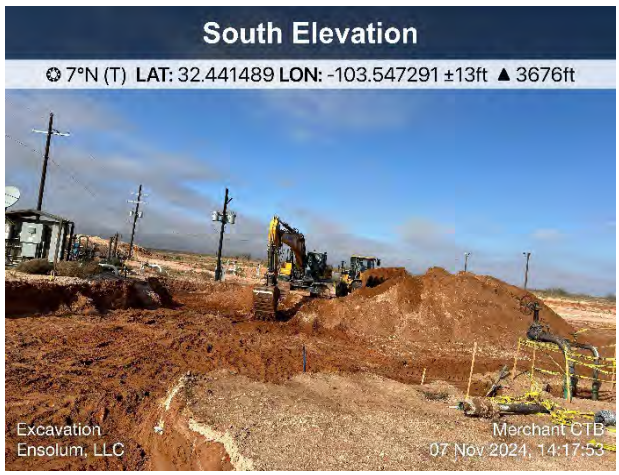
ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

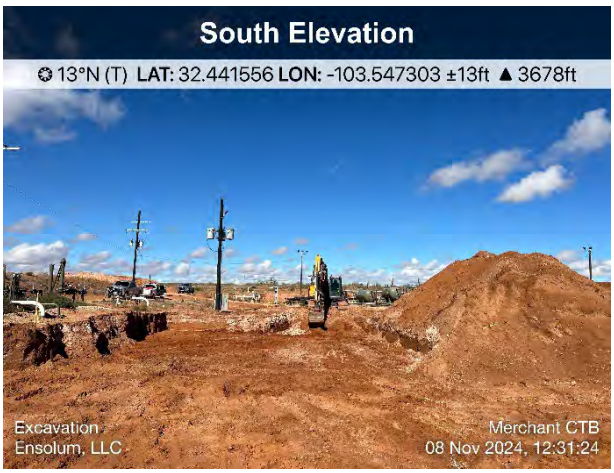
Photograph 69 Date: 11/07/2024
Description: Excavation
View: West



Photograph 70 Date: 11/07/2024
Description: Excavation
View: Northeast



Photograph 71 Date: 11/07/2024
Description: Excavation
View: North



Photograph 72 Date: 11/08/2024
Description: Excavation
View: North

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 73 Date: 11/11/2024
Description: Excavation
View: Northeast

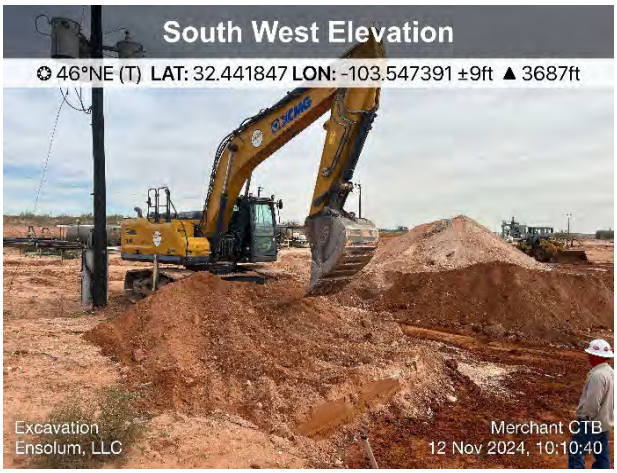
Photograph 74 Date: 11/11/2024
Description: Excavation
View: Southeast

Photograph 75 Date: 11/11/2024
Description: Excavation
View: Southeast

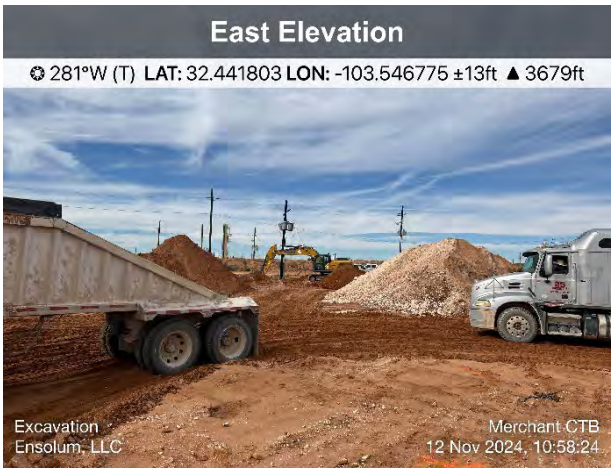
Photograph 76 Date: 11/11/2024
Description: Excavation
View: Southwest

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

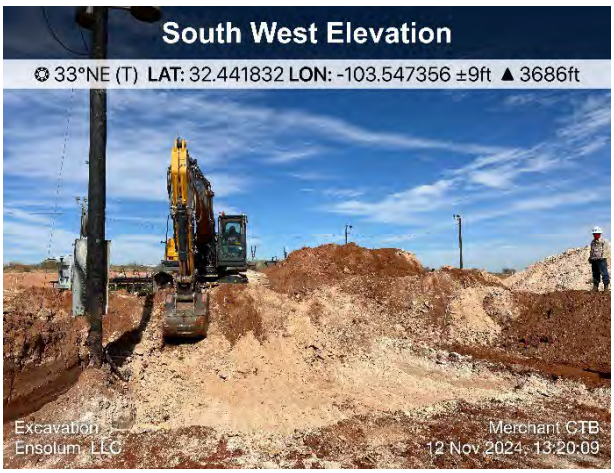


Photograph 77 Date: 11/12/2024
Description: Excavation
View: Northeast



Photograph 78 Date: 11/12/2024
Description: Excavation
View: West

Photograph 79 Date: 11/12/2024
Description: Excavation
View: North



Photograph 80 Date: 11/12/2024
Description: Excavation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 81 Date: 11/13/2024
Description: Excavation
View: Southeast

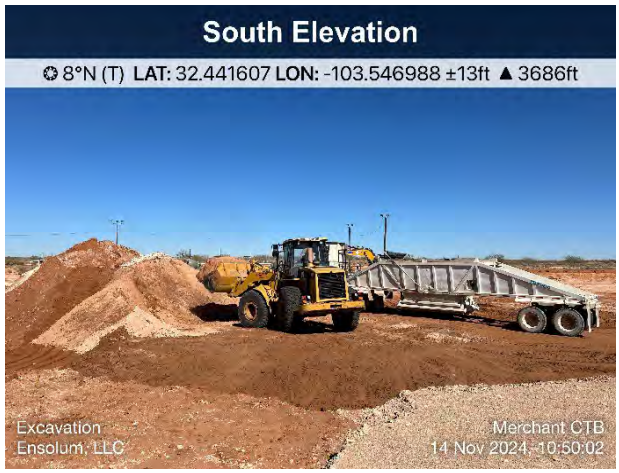
Photograph 82 Date: 11/13/2024
Description: Excavation
View: South

Photograph 83 Date: 11/13/2024
Description: Excavation
View: Southeast

Photograph 84 Date: 11/13/2024
Description: Excavation
View: Southeast

ENSOLUM

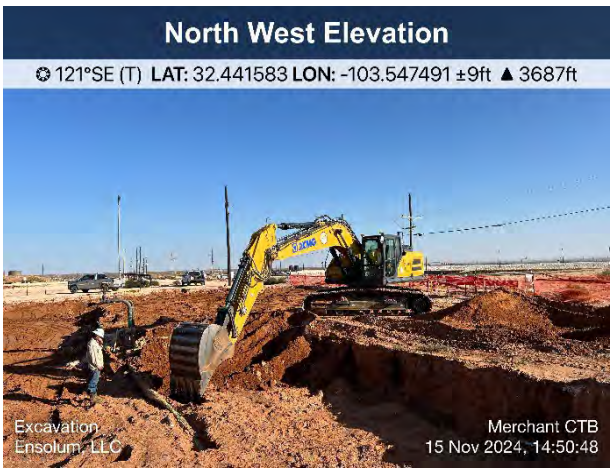
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091



Photograph 85 Date: 11/14/2024
Description: Excavation
View: North

Photograph 86 Date: 11/14/2024
Description: Excavation
View: East

Photograph 87 Date: 11/15/2024
Description: Excavation
View: West



Photograph 88 Date: 11/15/2024
Description: Excavation
View: Southeast

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 89 Date: 11/19/2024
Description: Excavation
View: West

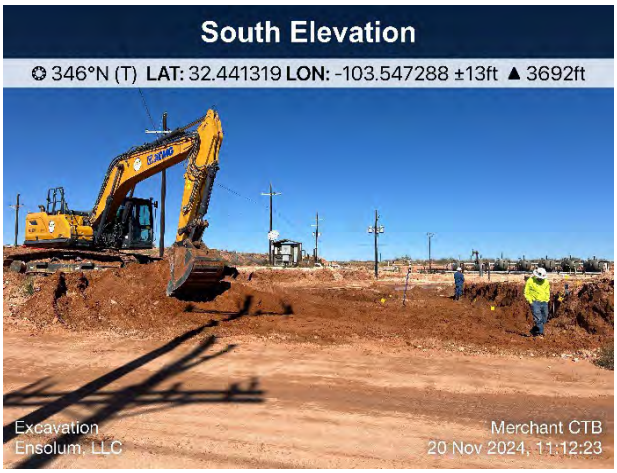
Photograph 90 Date: 11/19/2024
Description: Excavation
View: Southwest

Photograph 91 Date: 11/19/2024
Description: Excavation
View: Northwest

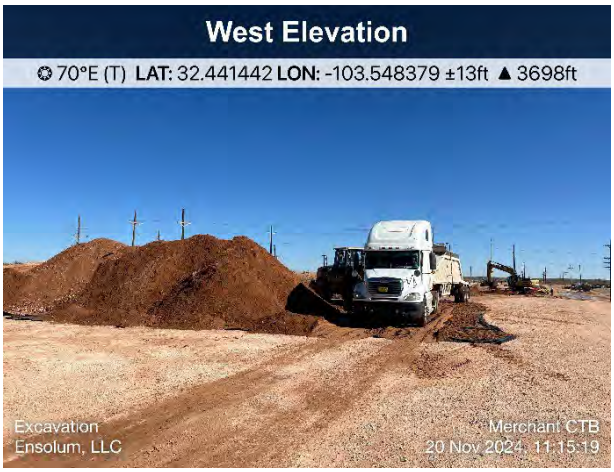
Photograph 92 Date: 11/19/2024
Description: Excavation
View: South

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

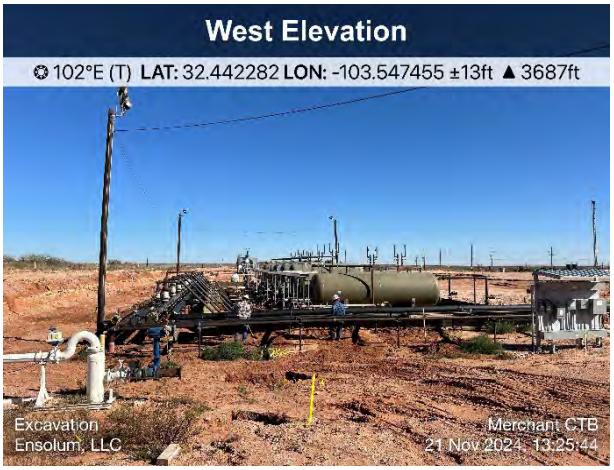


Photograph 93 Date: 11/20/2024
Description: Excavation
View: North



Photograph 94 Date: 11/20/2024
Description: Excavation
View: East

Photograph 95 Date: 11/20/2024
Description: Excavation
View: West

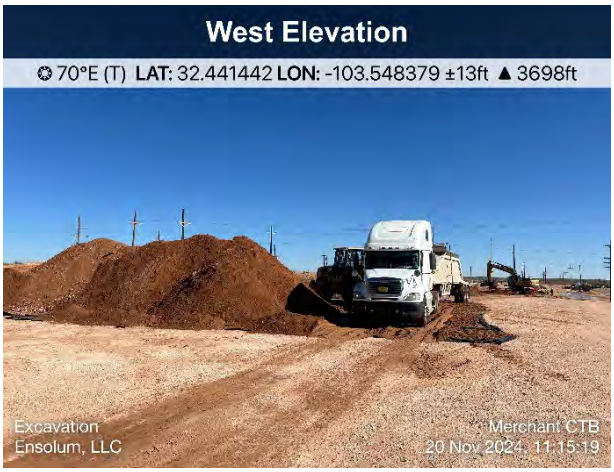


Photograph 96 Date: 11/21/2024
Description: Excavation
View: East

ENSOLUM

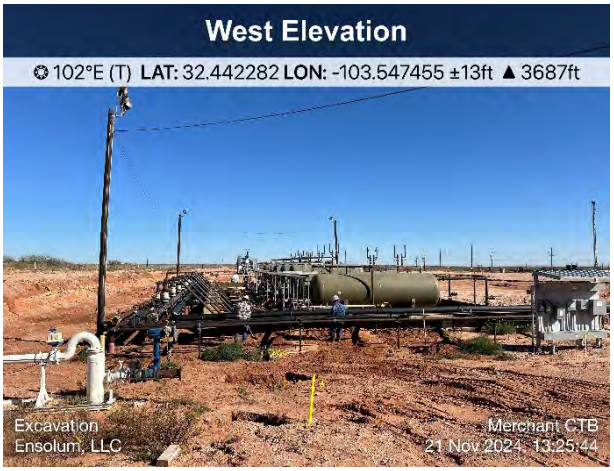
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 97 Date: 11/20/2024
Description: Excavation
View: North



Photograph 98 Date: 11/20/2024
Description: Excavation
View: East

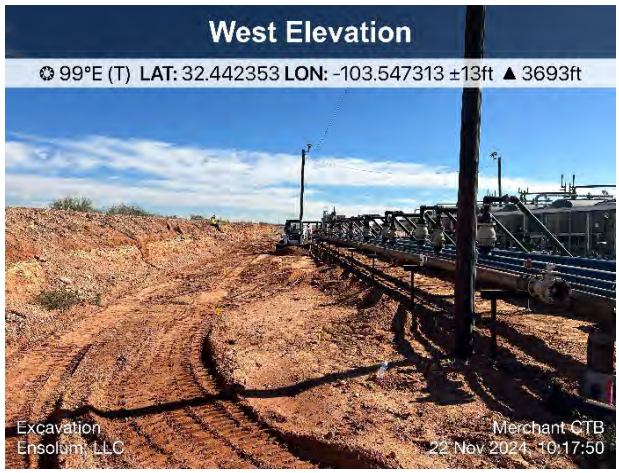
Photograph 99 Date: 11/20/2024
Description: Excavation
View: West



Photograph 100 Date: 11/21/2024
Description: Excavation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091



Photograph 105 Date: 11/22/2024
Description: Excavation
View: East

Photograph 106 Date: 11/22/2024
Description: Excavation
View: West

Photograph 107 Date: 11/22/2024
Description: Excavation
View: Southwest

Photograph 108 Date: 11/22/2024
Description: Excavation
View: South

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 109 Date: 11/22/2024
Description: Excavation
View: East

Photograph 110 Date: 11/22/2024
Description: Excavation
View: West

Photograph 111 Date: 11/22/2024
Description: Excavation
View: Southwest

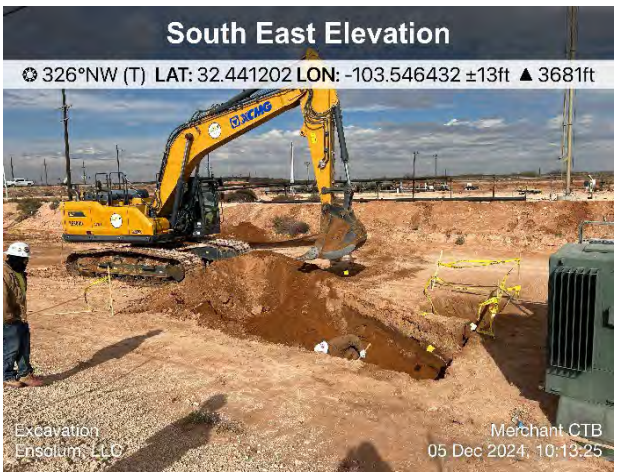
Photograph 112 Date: 11/22/2024
Description: Excavation
View: South

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 113 Date: 12/04/2024
Description: Hydrovac
View: South

Photograph 114 Date: 12/05/2024
Description: Hydrovac
View: Northeast



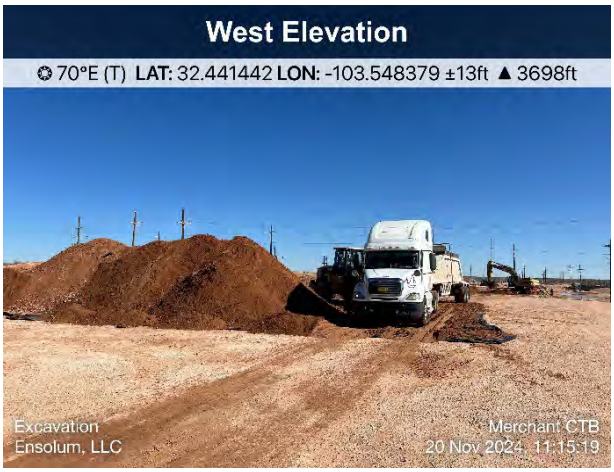
Photograph 115 Date: 12/05/2024
Description: Excavation
View: Northwest

Photograph 116 Date: 12/05/2024
Description: Excavation
View: Southwest

ENSOLUM

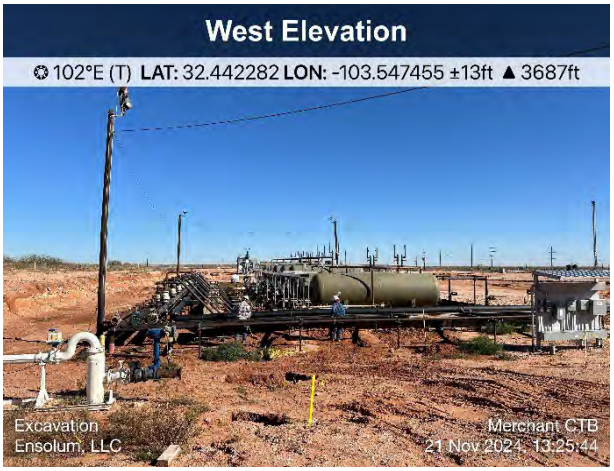
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 101 Date: 11/20/2024
Description: Excavation
View: North



Photograph 102 Date: 11/20/2024
Description: Excavation
View: East

Photograph 103 Date: 11/20/2024
Description: Excavation
View: West



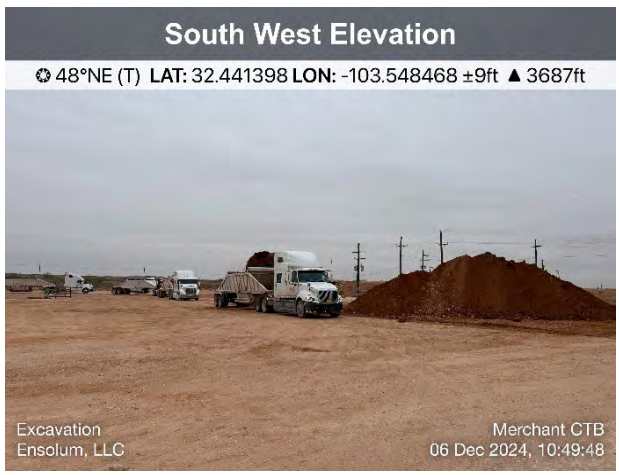
Photograph 104 Date: 11/21/2024
Description: Excavation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 117 Date: 12/06/2024
Description: Excavation
View: Southwest

Photograph 118 Date: 12/06/2024
Description: Excavation
View: East



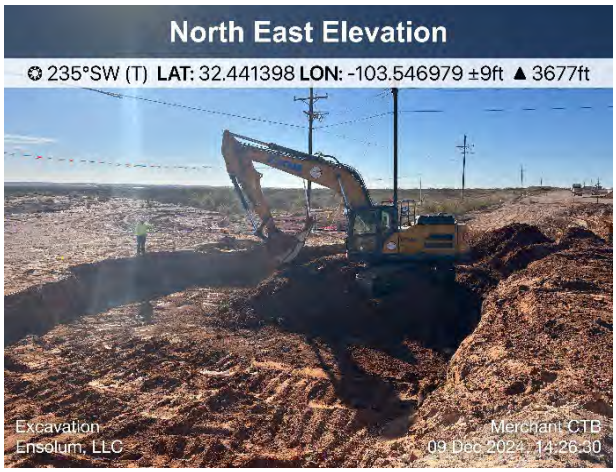
Photograph 119 Date: 12/06/2024
Description: Excavation
View: Northeast

Photograph 120 Date: 12/06/2024
Description: Excavation
View: Northwest

ENSOLUM

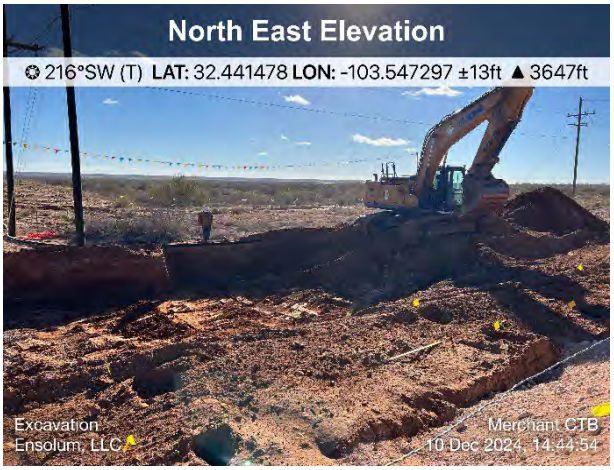
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 121 Date: 12/09/2024
Description: Excavation
View: West



Photograph 122 Date: 12/09/2024
Description: Excavation
View: Southwest

Photograph 123 Date: 12/10/2024
Description: Excavation
View: Southwest



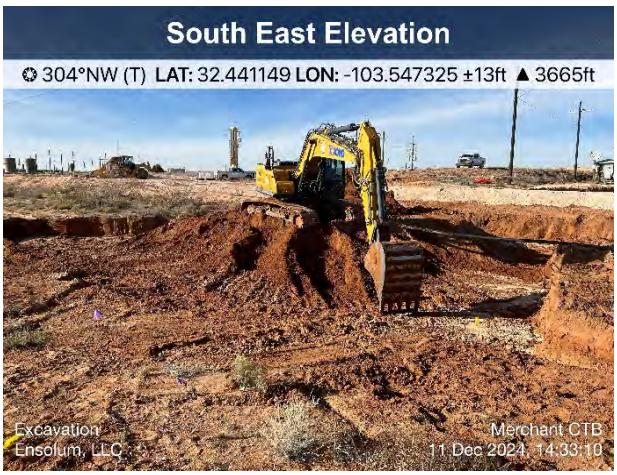
Photograph 124 Date: 12/10/2024
Description: Excavation
View: Southwest

ENSOLUM

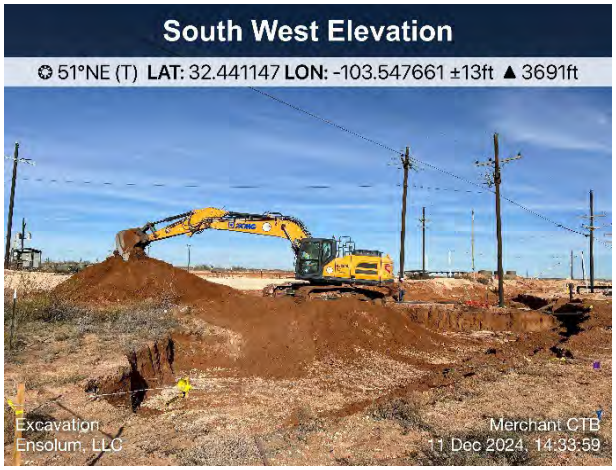
Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 125 Date: 12/11/2024
Description: Excavation
View: Northeast

Photograph 126 Date: 12/11/2024
Description: Excavation
View: Southwest



Photograph 127 Date: 12/11/2024
Description: Excavation
View: Northwest



Photograph 128 Date: 12/11/2024
Description: Excavation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Merchant Central TB
Incident Number: nAPP2330461091

Photograph 129 Date: 12/12/2024
Description: Excavation
View: Northeast

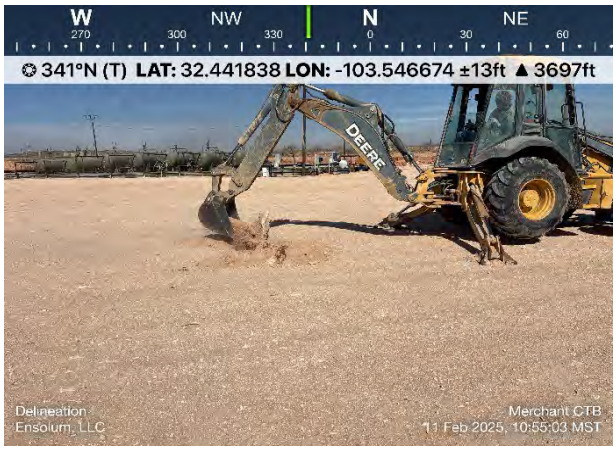
Photograph 130 Date: 12/13/2024
Description: Excavation
View: South

Photograph 131 Date: 12/13/2024
Description: Excavation
View: Northeast

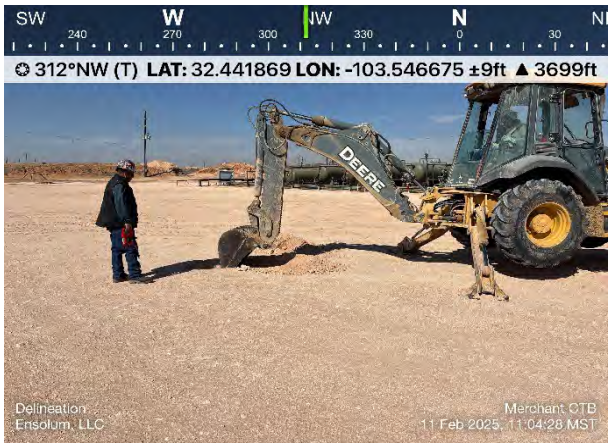
Photograph 132 Date: 12/16/2024
Description: Excavation
View: Northwest

ENSOLUM

Photographic Log
Matador Production Company
Merchant CTB
Incident Number: nAPP2330461091



Photograph 133 Date: 2/11/2025
Description: Delineation
View: North



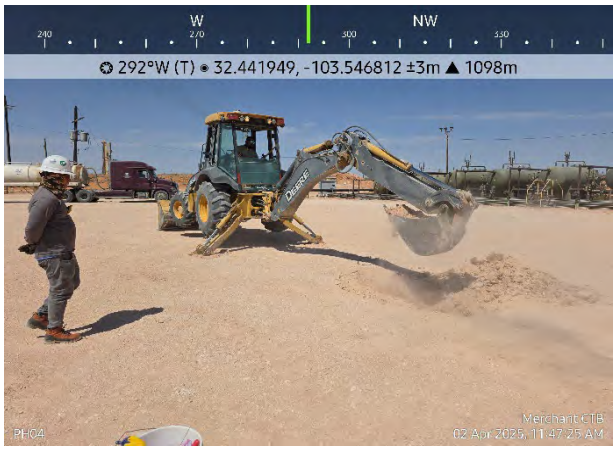
Photograph 134 Date: 2/11/2025
Description: Delineation
View: Northwest

Photograph 135 Date: 2/11/2025
Description: Delineation
View: West

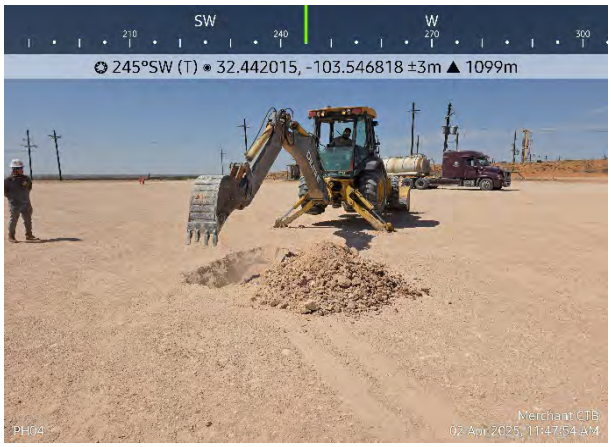
Photograph 136 Date: 2/11/2025
Description: Delineation
View: North

ENSOLUM

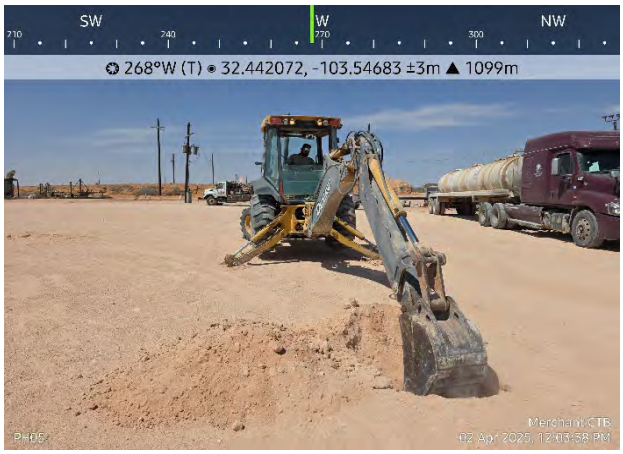
Photographic Log
Matador Production Company
Merchant CTB
Incident Number: nAPP2330461091



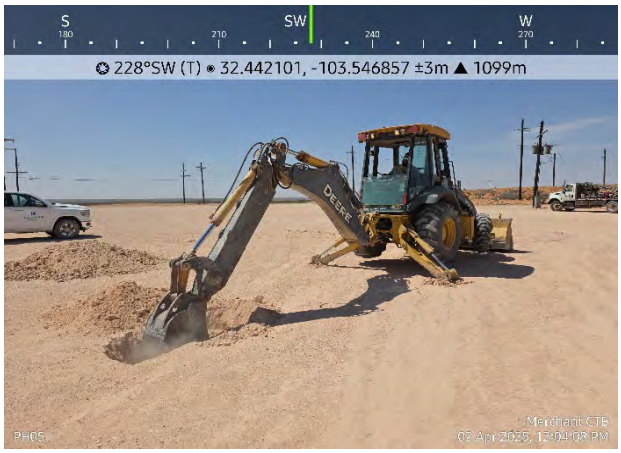
Photograph 137 Date: 4/2/2025
Description: Delineation
View: Northwest



Photograph 138 Date: 4/2/2025
Description: Delineation
View: West



Photograph 139 Date: 4/2/2025
Description: Delineation
View: West



Photograph 140 Date: 4/2/2025
Description: Delineation
View: Southwest

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: S-1	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hydrovac
Coordinates: 32.44128, -103.54655	Hole Diameter: 10"	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
D			Y	S 1	0	0	SM	Silty Sand: Very loose, tan to light brown, dry, non-plastic, noncohesive, uniform, sharp
			N	S-1	1	1	SW-SC	Sand w/ trc Clay: Red to med brown, med to fine grn sz, non-plastic, noncohesive, massive, uniform, sharp
			N	S-1	2	2		
			N	S-1	3	3		
	ND	6	N	S-1	4	4	SC	Sandy Clay w/ sm Gravel: Red to dark brown, mostly fine to med grn sz w/ sm small gravel, dry, low plasticity, cohesive, massive, non-uniform, sharp

Total Depth @ 4 ft bgs.

ENSOLUM

	Sample Name: S-3	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.44128, -103.54707	Hole Diameter: 2'	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
D			Y			0	SM	Silty Sand: Very loose, tan to light brown, dry, non-plastic, noncohesive, uniform, sharp
M						1	SW-SC	Sand w/ trc Clay: Red to med brown, med to fine grn sz, non-plastic, noncohesive, massive, uniform, sharp
M						2		
M						3		
M						4		
D	2,106		N	S-3	5	5	CCHE	Caliche Rock: lightly cemented caliche, med to coarse grn sz w/ trc small gravel, dry, non-plastic, noncohesive, massive, non-uniform, sharp
D	280		N	S-3	6	6		
D	784		N	S-3	7	7		
D	316	33	N	S-3	8	8		
D	520		N	S-3	9	9		

Total Depth 9 ft bgs.

ENSOLUM

	Sample Name: S-4	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.44127, -103.54727	Hole Diameter: 2'	Total Depth: 11'

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
D			Y			0	SM	Silty Sand: Very loose, tan to light brown, dry, non-plastic, noncohesive, uniform, sharp
						1	SW-SC	Sand w/ trc Clay: Red to med brown, med to fine grn sz, non-plastic, noncohesive, massive, uniform, sharp
						2		
						3		
						4		
D	1,025		N	S-4	5	5	CCHE	Caliche Rock: lightly cemented caliche, med to coarse grn sz w/ trc small gravel, dry, non-plastic, noncohesive, massive, non-uniform, sharp
D	862		N	S-4	6	6		
D	ND		N	S-4	7	7		
D	644		N	S-4	8	8		
D	319		N	S-4	9	9		
D	1,842		N	S-4	10	10		
D	465	61	N	S-4	11	11		

Total Depth @ 11 ft bgs.

ENSOLUM	Sample Name: S-5	Date: 03/29/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.44137, -103.54736	Hole Diameter: 2'	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
D			Y			0	SM	Silty Sand: Very loose, tan to light brown, dry, non-plastic, noncohesive, uniform, sharp
						1	SW-SC	Sand w/ trc Clay: Red to med brown, non-plastic, noncohesive, massive, uniform, sharp
						2		
						3		
						4		
D	ND		N	S-5	5	5	CCHE	Caliche Rock: lightly cemented caliche, med to coarse grn sz w/ trc small gravel, dry, non-plastic, noncohesive, massive, non-uniform, sharp
D	280		N	S-5	6	6		
D	862		N	S-5	7	7		
D	ND	49	N	S-5	8	8		
D	ND		N	S-5	9	9		

Total Depth @ 9 ft bgs.

ENSOLUM

	Sample Name: S-8	Date: 5/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates: 32.441769, -103.547296	Hole Diameter: 3"	Total Depth: 4.5'

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
D			Y	S-8	0	0	SM	Silty Sand: Very loose, tan to light brown, dry, non-plastic, noncohesive, uniform, sharp
M			N	S-8	1	1	SW-SC	Sand w/ trc Clay: Red to med brown, med to fine grn sz, non-plastic, noncohesive, massive, uniform, sharp
M			N	S-8	2	2		
M			N	S-8	3	3		
M			N	S-8	4	4	SC	Sandy Clay w/ sm Gravel: Red to dark brown, mostly fine to med grn sz w/ sm small gravel, dry, low plasticity, cohesive, massive, non-uniform, sharp
M	169		N	S-8	4.5	4.5		

Total Depth @ 4.5 ft bgs.

ENSOLUM

	Sample Name: S-11	Date: 5/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates: 32.442247, -103.546842	Hole Diameter: 3"	Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D				S-11	0	0	CCHE	Caliche Pad
D				S-11	1	1	SW-SC	Sand w/ trc Clay: Red to med brown, med to fine grn sz, non-plastic, noncohesive, massive, uniform, sharp
D				S-11	2	2		
D				S-11	3	3		
D				S-11	4	4	CCHE	Caliche Layer
D	42			S-11	5	5	SC	Blocky Clay: Red to med brown, fine to very fine grn sz, plastic, cohesive, massive, uniform, sharp
D	ND			S-11	6	6		

Total Depth @ 6 ft bgs.

ENSOLUM

	Sample Name: S-12	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.44221, -103.54661	Hole Diameter: 2'	Total Depth: 5'

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
D			Y			0	CCHE	Caliche Pad
						1	SW-SC	Sand w/ trc Clay: Red to med brown, non-plastic, noncohesive, massive, uniform, sharp
						2		
						3		
						4		
M	<162	14	N	S-12	5	5		

Total Depth @ 5 ft bgs

ENSOLUM

	Sample Name: S-15	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.44184, -103.54673	Hole Diameter: 2'	Total Depth: 6'

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)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y			0	CCHE	Caliche Pad
						1	SW-SC	Caliche Rock: lightly cemented caliche, med to coarse grn sz w/ trc small gravel, dry, non-plastic, noncohesive, massive, non-uniform, sharp
						2		
						3		
						4		
D	ND	27	N	S-15	5	5	CCHE	Caliche Rock: lightly cemented caliche, med to coarse grn sz w/ trc small gravel, dry, non-plastic, noncohesive, massive, non-uniform, sharp
D	ND		N	S-15	6	6		

Total Depth @ 6 ft bgs.

ENSOLUM

	Sample Name: S-18	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.44185, -103.54616	Hole Diameter: 2'	Total Depth: 2'

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
D			Y			0	CCHE	Caliche Pad
						1	SW-SC	Sand w/ trc Clay: Red to med brown, med to fine grn sz, non-plastic, noncohesive, massive, uniform, sharp
M	ND	16	N	S-18	2	2		

Total Depth @ 2 ft bgs.

ENSOLUM

	Sample Name: S-19	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.44175, -103.54590	Hole Diameter: 2'	Total Depth: 2'

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
D			Y			0	CCHE	Caliche Pad
						1	SW-SC	Sand w/ trc Clay: Red to med brown, med to fine grn sz, non-plastic, noncohesive, massive, uniform, sharp
M	ND	14	N	S-19	2	2		

Total Depth @ 2 ft bgs

ENSOLUM

	Sample Name: S-20	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hydrovac
Coordinates: 32.44220, -103.54602	Hole Diameter: 10"	Total Depth: 3'

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
D			Y		0	0	CCHE	Caliche Pad
					1	1	SC	Sandy Clay w/ sm Gravel: Red to dark brown, mostly fine to med grn sz w/ sm small gravel, dry, low plasticity, cohesive, massive, non-uniform, sharp
					2	2		
	ND		N	S-20	3	3		

Total Depth @ 3 ft bgs.

ENSOLUM

	Sample Name: S-21	Date: 04/1/2024
	Site Name: Merchant Central TB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hydrovac
Coordinates: 32.44195, -103.54601	Hole Diameter: 10"	Total Depth: 3'

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
D			Y	S-21	0	0	CCHE	Caliche Pad
					1	1	SC	Sandy Clay w/ sm Gravel: Red to dark brown, mostly fine to med grn sz w/ sm small gravel, dry, low plasticity, cohesive, massive, non-uniform, sharp
	ND	15	N	S-21	2	2		
	ND		N	S-21	3	3		

Total Depth @ 3 ft bgs.

ENSOLUM

	Sample Name: PH01	Date: 02/11/2025
	Site Name: Merchant CTB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H. Gonzalez	Method: Backhoe
Coordinates: 32.4418287, -103.5467780	Hole Diameter: 2'	Total Depth: 5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N			0	CCHE	Caliche pad material, white, no staining.
D			N			1		
M			N			2	SM	Sandy clay, dark red, moisture present, no staining, no odor.
M			N			3		
M	ND	0	N	PH01 4'	4'	4		
M	ND	0	N	PH01 5'	5'	5		

Total Depth = 5' (Feet) BGS

ENSOLUM

	Sample Name: PH02	Date: 02/11/2025
	Site Name: Merchant CTB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H. Gonzalez	Method: Backhoe
Coordinates: 32.4418957, -103.5467420	Hole Diameter: 2'	Total Depth: 5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N			0	CCHE	Caliche pad material, white, no staining.
D			N			1		
M			N			2	SM	Sandy clay, dark red, moisture present, no staining, no odor.
M			N			3		
M	ND	0	N	PH02 4'	4'	4		
M	ND	0	N	PH02 5'	5'	5		

Total Depth = 5' (Feet) BGS

ENSOLUM

Sample Name: PH03	Date: 02/11/2025
Site Name: Merchant CTB	
Incident Number: nAPP2330461091	
Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H. Gonzalez / Method: Backhoe
Coordinates: 32.4418332, -103.5466967	Hole Diameter: 2' / Total Depth: 5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N			0	CCHE	Caliche pad material, white, no staining.
D			N			1		
M			N			2	CH	Sandy clay, dark red, moisture present, no staining, no odor.
M			N			3		
M	ND	0	N	PH03 4'	4'	4		
M	ND	0	N	PH03 5'	5'	5		

Total Depth = 5' (Feet) BGS

ENSOLUM

	Sample Name: PH04	Date: 4/2/2025
	Site Name: Merchant CTB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates:32.441959, -103.546847	Hole Diameter: 2 ft	Total Depth: 5 ft

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
D			N			0	CCHE	Caliche Pad - Light Brown to White, Coarse to Fine with Small to Large Cobbles, Dry, No Staining, No Odor, Non-Palstic, Noncohesive, Non-Uniform
D			N			1		
D			N			1.5	SP-SC	Clayey Sand - Medium to Dark Red, Coarse to Very Fine, Dry, No Staining, No Odor, Non-Palstic, Noncohesive, Thickly Bedded, Non-Uniform, Sharp
D			N			2		
D			N			3	CCHE	Indurated Caliche - Light Brown to White, Coarse to Fine with Small to Large Cobbles, Moderately Consolidated, No Staining, No Odor
D	ND	15	N	PH04	4	4		
D	ND	17	N	PH04	5	5		

Total Depth at 5 feet bgs.

ENSOLUM

	Sample Name: PH05	Date: 4/2/2025
	Site Name: Merchant CTB	
	Incident Number: nAPP2330461091	
	Job Number: 03A2270039	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32442027, -103.546851	Hole Diameter: 2 ft	Total Depth: 5 ft

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N			0	CCHE	Caliche Pad - Light Brown to White, Coarse to Fine with Small to Large Cobbles, Dry, No Staining, No Odor, Non-Palstic, Noncohesive, Non-Uniform
D			N			1		
D			N			2	CCHE	Indurated Caliche - Light Brown to White, Coarse to Fine with Small to Large Cobbles, Moderately Consolidated, No Staining, No Odor
D			N			3		
D	ND	18	N	PH05	4	4		
D	ND	25	N	PH05	5	5		

Total Depth @ 5 feet bgs.

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E404011
Job Number:	23003-C-0001
Received:	4/2/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/9/24

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

Date Reported: 4/9/24

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

Project Name: Merchant CTB
Workorder: E404011
Date Received: 4/2/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/2/2024 9:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- S-3 -6’ 5
- S-3 -8’ 6
- S-4 -6’ 7
- S-4 -8’ 8
- S-4 -10’ 9
- S-4 -11’ 10
- S-5 -6’ 11
- S-5 -8’ 12
- S-5 -9’ 13
- S-15 -5’ 14
- S-15 -6’ 15

QC Summary Data 16

- QC - Volatile Organic Compounds by EPA 8260B 16
- QC - Nonhalogenated Organics by EPA 8015D - GRO 17
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 18
- QC - Anions by EPA 300.0/9056A 19

Definitions and Notes 20

Chain of Custody etc. 21

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/09/24 14:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-3 -6'	E404011-01A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-3 -8'	E404011-02A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-4 -6'	E404011-03A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-4 -8'	E404011-04A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-4 -10'	E404011-05A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-4 -11'	E404011-06A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-5 -6'	E404011-07A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-5 -8'	E404011-08A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-5 -9'	E404011-09A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-15 -5'	E404011-10A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.
S-15 -6'	E404011-11A	Soil	03/29/24	04/02/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-3 -6'

E404011-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/05/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/05/24	
Toluene	ND	0.0250	1	04/02/24	04/05/24	
o-Xylene	ND	0.0250	1	04/02/24	04/05/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/05/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/05/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*04/02/24*	*04/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/05/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*04/02/24*	*04/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**247**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-3 -8'

E404011-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/05/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/05/24	
Toluene	ND	0.0250	1	04/02/24	04/05/24	
o-Xylene	ND	0.0250	1	04/02/24	04/05/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/05/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/05/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/05/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**285**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-4 -6'

E404011-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**1150**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-4 -8'

E404011-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**552**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-4 -10'

E404011-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**1560**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-4 -11'

E404011-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**361**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-5 -6'

E404011-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	**27.2**	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**260**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-5 -8'

E404011-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/05/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/05/24	
Toluene	ND	0.0250	1	04/02/24	04/05/24	
o-Xylene	ND	0.0250	1	04/02/24	04/05/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/05/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/05/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*04/02/24*	*04/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/05/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*04/02/24*	*04/05/24*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*04/02/24*	*04/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**166**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-5 -9'

E404011-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*04/04/24*	*04/05/24*	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-15 -5'

E404011-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2414031
Chloride	**38.0**	20.0	1	04/02/24	04/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

S-15 -6'

E404011-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Benzene	ND	0.0250	1	04/02/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/02/24	04/06/24	
Toluene	ND	0.0250	1	04/02/24	04/06/24	
o-Xylene	ND	0.0250	1	04/02/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/02/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414029
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/24	04/06/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*04/02/24*	*04/06/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*04/02/24*	*04/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2414055
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*04/04/24*	*04/05/24*	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

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 (2414029-BLK1)									Prepared: 04/02/24 Analyzed: 04/05/24
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	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
LCS (2414029-BS1)									Prepared: 04/02/24 Analyzed: 04/05/24
Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.8	70-130			
Toluene	2.38	0.0250	2.50		95.3	70-130			
o-Xylene	2.29	0.0250	2.50		91.5	70-130			
p,m-Xylene	4.55	0.0500	5.00		91.0	70-130			
Total Xylenes	6.84	0.0250	7.50		91.2	70-130			
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike (2414029-MS1)				**Source: E404011-08**					Prepared: 04/02/24 Analyzed: 04/05/24
Benzene	2.46	0.0250	2.50	ND	98.6	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135			
Toluene	2.30	0.0250	2.50	ND	92.1	48-130			
o-Xylene	2.25	0.0250	2.50	ND	90.2	43-135			
p,m-Xylene	4.49	0.0500	5.00	ND	89.8	43-135			
Total Xylenes	6.74	0.0250	7.50	ND	89.9	43-135			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2414029-MSD1)				**Source: E404011-08**					Prepared: 04/02/24 Analyzed: 04/05/24
Benzene	2.46	0.0250	2.50	ND	98.2	48-131	0.346	23	
Ethylbenzene	2.37	0.0250	2.50	ND	94.9	45-135	0.400	27	
Toluene	2.31	0.0250	2.50	ND	92.2	48-130	0.174	24	
o-Xylene	2.33	0.0250	2.50	ND	93.1	43-135	3.21	27	
p,m-Xylene	4.62	0.0500	5.00	ND	92.3	43-135	2.75	27	
Total Xylenes	6.94	0.0250	7.50	ND	92.6	43-135	2.90	27	
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2414029-BLK1)									Prepared: 04/02/24 Analyzed: 04/05/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
LCS (2414029-BS2)									Prepared: 04/02/24 Analyzed: 04/05/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike (2414029-MS2)				**Source: E404011-08**					Prepared: 04/02/24 Analyzed: 04/05/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	*0.530*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2414029-MSD2)				**Source: E404011-08**					Prepared: 04/02/24 Analyzed: 04/05/24
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130	3.96	20	
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2414055-BLK1)									Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*59.3*		*50.0*		*119*	*50-200*			
LCS (2414055-BS1)									Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	*61.7*		*50.0*		*123*	*50-200*			
Matrix Spike (2414055-MS1)				**Source: E404011-03**					Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	38-132			
Surrogate: n-Nonane	*60.6*		*50.0*		*121*	*50-200*			
Matrix Spike Dup (2414055-MSD1)				**Source: E404011-03**					Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	316	25.0	250	ND	126	38-132	1.10	20	
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/9/2024 2:36:01PM

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 (2414031-BLK1)									Prepared: 04/02/24 Analyzed: 04/02/24
Chloride	ND	20.0							
LCS (2414031-BS1)									Prepared: 04/02/24 Analyzed: 04/02/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2414031-MS1)				**Source: E404003-01**					Prepared: 04/02/24 Analyzed: 04/02/24
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2414031-MSD1)				**Source: E404003-01**					Prepared: 04/02/24 Analyzed: 04/02/24
Chloride	253	20.0	250	ND	101	80-120	0.599	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/09/24 14:36

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 1 of 2

Client: Matador Production Company	**Bill To**
Project: Merchant CTB	Attention: Ensolum LLC
Project Manager: Ashley Giovengo	Address: on file
Address: 3122 National Parks Hwy	City, State, Zip:
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Phone: 575-988-0055	Email: agiovengo@ensolum.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E 404011	23003-C0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
12:22	3/29/2024	S	1	S-3 - 6'	1							X		
12:26	3/29/2024	S	1	S-3 - 8'	2							X		
11:36	3/29/2024	S	1	S-4 - 6'	3							X		
11:50	3/29/2024	S	1	S-4 - 8'	4							X		
12:08	3/29/2024	S	1	S-4 - 10'	5							X		
13:15	3/29/2024	S	1	S-4 - 11'	6							X		
9:48	3/29/2024	S	1	S-5 - 6'	7							X		
9:53	3/29/2024	S	1	S-5 - 8'	8							X		
11:08	3/29/2024	S	1	S-5 - 9'	9							X		Test only if S-5 - 8' does not pass 100 TPH and 600 Chlorides
14:07	3/29/2024	S	1	S-15 - 5'	10							X		

Analysis and Method

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	04/01/24	4.1.24		4.1.24	1130
	4.1.24	1800	Andrew Mesa	4-1-24	1715
Andrew Mesa	4-1-24	2230		4/2/24	0900

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 2 of 2

Client: Matador Production Company	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Merchant CTB	Attention: Ensolum LLC	Lab WO# E404011	Job Number 23003-C-0001
Project Manager: Ashley Giovengo	Address: on file		
Address: 3122 National Parks Hwy	City, State, Zip:		
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055		
Phone: 575-988-0055	Email: agiovengo@ensolum.com		
Email: agiovengo@ensolum.com			
Report due by:			

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
14:10	3/29/2024	S	1	S-15 - 6'	11							X		Only test if S-15 - 5' does not pass 100 TPH and 600 Chlorides

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	04/01/24	4.1.24		4.1.24	1130
	4-1-24	1800	Andrew Moss	4-1-24	1715
Andrew Moss	4-1-24	2230		4/2/24	0900

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Envirotech Analytical Laboratory

Printed: 4/2/2024 2:13:14PM

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:	04/02/24 09:00	Work Order ID:	E404011
Phone:	(972) 371-5200	Date Logged In:	04/02/24 10:12	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	04/08/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Remarks on samples 9 & 11 on COC states: Test only if Sample 8 & 10 does not pass 100 TPH and 600 chlorides. By client.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Merchant CTB

Work Order: E404012

Job Number: 23003-C-0001

Received: 4/3/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/15/24

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

Date Reported: 4/15/24

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

Project Name: Merchant CTB
Workorder: E404012
Date Received: 4/3/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/3/2024 8:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

Alexa Michaels
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mgonzales@envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 6

- SS01 -0’ 6
- SS02 -0’ 7
- SS03 -0’ 8
- SS04 -0’ 9
- SS05 -0’ 10
- S -1-4’ 11
- S-12 -5’ 12
- S-18 -2’ 13
- S-19 -2’ 14
- S-20 -3’ 15
- S-21 -2’ 16

QC Summary Data 17

- QC - Volatile Organic Compounds by EPA 8260B 17
- QC - Nonhalogenated Organics by EPA 8015D - GRO 18
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 19
- QC - Anions by EPA 300.0/9056A 21

Definitions and Notes 22

Chain of Custody etc. 23

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/15/24 15:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 -0'	E404012-01A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
SS02 -0'	E404012-02A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
SS03 -0'	E404012-03A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
SS04 -0'	E404012-04A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
SS05 -0'	E404012-05A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
S -1-4'	E404012-06A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
S-12 -5'	E404012-07A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
S-18 -2'	E404012-08A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
S-19 -2'	E404012-09A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
S-20 -3'	E404012-10A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.
S-21 -2'	E404012-11A	Soil	04/01/24	04/03/24	Glass Jar, 2 oz.

Case Narative:

Project Name: Merchant CTB
Workorder: E404012
Date Received: 04-03-2024

The client requested the following sample(s) to be re-extracted and re-analyzed:

Sample Name	Laboratory ID	Analysis
SS03-0'	E404012-03	Nonhalogenated Organics by EPA 8015- DRO/ORO

The analytical test results summarized in this revised report represent this re-extration and re-analysis.

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

Respectfully,

Walter Hinchman

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

SS01 -0'

E404012-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	ND	20.0	1	04/03/24	04/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

SS02 -0'

E404012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	**25.3**	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**129**	20.0	1	04/03/24	04/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

SS03 -0'

E404012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2415076
Diesel Range Organics (C10-C28)	**45.9**	25.0	1	04/04/24	04/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/13/24	
Surrogate: n-Nonane		*88.8 %*	*50-200*	*04/04/24*	*04/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**69.4**	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

SS04 -0'

E404012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**130**	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

SS05 -0'

E404012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**197**	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

S -1-4'

E404012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**22.6**	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

S-12 -5'

E404012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**147**	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

S-18 -2'

E404012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/05/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*04/04/24*	*04/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	ND	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

S-19 -2'

E404012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/06/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*04/04/24*	*04/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**121**	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

S-20 -3'

E404012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/06/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*04/04/24*	*04/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	**25.2**	20.0	1	04/03/24	04/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

S-21 -2'

E404012-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Benzene	ND	0.0250	1	04/03/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/03/24	04/08/24	
Toluene	ND	0.0250	1	04/03/24	04/08/24	
o-Xylene	ND	0.0250	1	04/03/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/03/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2414040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/03/24	04/08/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*04/03/24*	*04/08/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2414056
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/24	04/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/24	04/06/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*04/04/24*	*04/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2414046
Chloride	ND	20.0	1	04/03/24	04/04/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

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 (2414040-BLK1)									Prepared: 04/03/24 Analyzed: 04/08/24
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	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
LCS (2414040-BS1)									Prepared: 04/03/24 Analyzed: 04/08/24
Benzene	2.63	0.0250	2.50		105	70-130			
Ethylbenzene	2.55	0.0250	2.50		102	70-130			
Toluene	2.46	0.0250	2.50		98.4	70-130			
o-Xylene	2.42	0.0250	2.50		96.8	70-130			
p,m-Xylene	4.84	0.0500	5.00		96.7	70-130			
Total Xylenes	7.26	0.0250	7.50		96.8	70-130			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			
Matrix Spike (2414040-MS1)				**Source: E404012-02**					Prepared: 04/03/24 Analyzed: 04/08/24
Benzene	2.61	0.0250	2.50	ND	104	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.44	0.0250	2.50	ND	97.4	48-130			
o-Xylene	2.49	0.0250	2.50	ND	99.5	43-135			
p,m-Xylene	4.98	0.0500	5.00	ND	99.5	43-135			
Total Xylenes	7.47	0.0250	7.50	ND	99.5	43-135			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
Matrix Spike Dup (2414040-MSD1)				**Source: E404012-02**					Prepared: 04/03/24 Analyzed: 04/08/24
Benzene	2.67	0.0250	2.50	ND	107	48-131	2.33	23	
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135	3.85	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	3.47	24	
o-Xylene	2.51	0.0250	2.50	ND	100	43-135	0.920	27	
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135	1.31	27	
Total Xylenes	7.55	0.0250	7.50	ND	101	43-135	1.18	27	
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2414040-BLK1)									Prepared: 04/03/24 Analyzed: 04/08/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
LCS (2414040-BS2)									Prepared: 04/03/24 Analyzed: 04/08/24
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
Matrix Spike (2414040-MS2)				**Source: E404012-02**					Prepared: 04/03/24 Analyzed: 04/08/24
Gasoline Range Organics (C6-C10)	56.8	20.0	50.0	ND	114	70-130			
Surrogate: Bromofluorobenzene	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2414040-MSD2)				**Source: E404012-02**					Prepared: 04/03/24 Analyzed: 04/08/24
Gasoline Range Organics (C6-C10)	58.0	20.0	50.0	ND	116	70-130	2.17	20	
Surrogate: Bromofluorobenzene	*0.536*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2414056-BLK1)									Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*50-200*			
LCS (2414056-BS1)									Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	296	25.0	250		118	38-132			
Surrogate: n-Nonane	*61.2*		*50.0*		*122*	*50-200*			
Matrix Spike (2414056-MS1)				**Source: E404012-03**					Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	341	25.0	250	48.5	117	38-132			
Surrogate: n-Nonane	*58.4*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2414056-MSD1)				**Source: E404012-03**					Prepared: 04/04/24 Analyzed: 04/05/24
Diesel Range Organics (C10-C28)	332	25.0	250	48.5	113	38-132	2.70	20	
Surrogate: n-Nonane	*59.2*		*50.0*		*118*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2415076-BLK1)									Prepared: 04/12/24 Analyzed: 04/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.4*		*50.0*		*94.8*	*50-200*			
LCS (2415076-BS1)									Prepared: 04/12/24 Analyzed: 04/13/24
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
Matrix Spike (2415076-MS1)				**Source: E404100-02**					Prepared: 04/12/24 Analyzed: 04/13/24
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*50-200*			
Matrix Spike Dup (2415076-MSD1)				**Source: E404100-02**					Prepared: 04/12/24 Analyzed: 04/13/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	2.82	20	
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2024 3:45:47PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2414046-BLK1)									Prepared: 04/03/24 Analyzed: 04/03/24
Chloride	ND	20.0							
LCS (2414046-BS1)									Prepared: 04/03/24 Analyzed: 04/03/24
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2414046-MS1)				**Source: E404012-02**					Prepared: 04/03/24 Analyzed: 04/03/24
Chloride	367	20.0	250	129	95.2	80-120			
Matrix Spike Dup (2414046-MSD1)				**Source: E404012-02**					Prepared: 04/03/24 Analyzed: 04/03/24
Chloride	375	20.0	250	129	98.2	80-120	1.98	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/15/24 15:45

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 1 of 2

Client: Matador Production Company	**Bill To**
Project: Merchant CTB	Attention: Ensolum LLC
Project Manager: Ashley Giovengo	Address: on file
Address: 3122 National Parks Hwy	City, State, Zip:
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Phone: 575-988-0055	Email: agiovengo@ensolum.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only

Lab WO# E404012 | Job Number 23003-C-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		BGDOC NM		GDOC TX		Remarks
11:56	4/1/2024	S	1	SS01 - 0'	1								X				
10:47	4/1/2024	S	1	SS02 - 0'	2								X				
10:56	4/1/2024	S	1	SS03 - 0'	3								X				
11:06	4/1/2024	S	1	SS04 - 0'	4								X				
11:13	4/1/2024	S	1	SS05 - 0'	5								X				
10:18	4/1/2024	S	1	S-1 - 4'	6								X				
9:33	4/1/2024	S	1	S-12 - 5'	7								X				
10:17	4/1/2024	S	1	S-18 - 2'	8								X				
10:26	4/1/2024	S	1	S-19 - 2'	9								X				
8:30	4/1/2024	S	1	S-20 - 3'	10								X				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Hamilton, Isreal Estrella, Omar Hamdy

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	04/2/24	1015	Michelle Cuyler	4-2-24	1015
Michelle Cuyler	4-2-24	1600	Andrew Hobbs	4-2-24	1800
Andrew Hobbs	4-2-24	2400		4/3/24	0800

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 2 of 2

Client: Matador Production Company	**Bill To**
Project: Merchant CTB	Attention: Ensolum LLC
Project Manager: Ashley Giovengo	Address: on file
Address: 3122 National Parks Hwy	City, State, Zip:
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Phone: 575-988-0055	Email: agiovengo@ensolum.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E 40412	23003-G-0001				X		
							RCRA

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM		GDOC TX		Remarks
9:18	4/1/2024	S	1	S-21 - 2'	11							X				

Analysis and Method

Additional Instructions: **Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Hamilton, Isreal Estrella, Omar Hamdy

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/2/24	1015	Michelle Garcia	4-2-24	1015
Michelle Garcia	4-2-24	1600	Andrew Mabe	4-2-24	1800
Andrew Mabe	4-2-24	2400		4/3/24	0800

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 4/3/2024 9:32:35AM

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:	04/03/24 08:00	Work Order ID:	E404012
Phone:	(972) 371-5200	Date Logged In:	04/02/24 16:44	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	04/09/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 1 of 2

Client: Matador Production Company	Bill To
Project: Merchant CTB	Attention: Ensolum LLC
Project Manager: Ashley Giovengo	Address: on file
Address: 3122 National Parks Hwy	City, State, Zip:
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Phone: 575-988-0055	Email: agiovengo@ensolum.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only: Lab WO# E404012 | Job Number 23003-C-0001

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TCEQ TPH | BGDOC NM | DRO/ORO | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	DRO/ORO	GDOC TX	Remarks
11:56	4/1/2024	S	1	SS01 - 0'	1	X			
10:47	4/1/2024	S	1	SS02 - 0'	2	X			
10:56	4/1/2024	S	1	SS03 - 0'	3	X	X		Sample Rerun/ Reextract per client. 4/13/24
11:06	4/1/2024	S	1	SS04 - 0'	4	X			
11:13	4/1/2024	S	1	SS05 - 0'	5	X			
10:18	4/1/2024	S	1	S-1 - 4'	6	X			
9:33	4/1/2024	S	1	S-12 - 5'	7	X			
10:17	4/1/2024	S	1	S-18 - 2'	8	X			
10:26	4/1/2024	S	1	S-19 - 2'	9	X			
8:30	4/1/2024	S	1	S-20 - 3'	10	X			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Hamilton, Isreal Estrella, Omar Hamdy

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	04/2/24	1015		4.2.24	1015
	4.2.24	1600		4-2-24	1800
	4-2-24	2400		4/3/24	0800

Lab Use Only: Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Released to Imaging: 4/22/2025 3:44:30 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information

Chain of Custody

Client: Matador Production Company	
Project: Merchant CTB	
Project Manager: Ashley Giovengo	
Address: 3122 National Parks Hwy	
City, State, Zip: Carlsbad NM, 88220	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	
Report due by:	

Bill To

Attention: Ensolum LLC
Address: on file
City, State, Zip:
Phone: 575-988-0055
Email: agiovengo@ensolum.com

Lab Use Only

Lab WO#	Job Number
E 40412	23003-C-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
9:18	4/1/2024	S	1	S-21 - 2'	11							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Hamilton, Isreal Estrella, Omar Hamdy

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/2/24	1015		4224	1015
Relinquished by: (Signature)	4-2-24	1600	Received by: (Signature)	4-2-24	1800
Relinquished by: (Signature)	4-2-24	2400	Received by: (Signature)	4/3/24	0800

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E405022
Job Number:	23003-0002
Received:	5/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/6/24

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

Date Reported: 5/6/24

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

Project Name: Merchant CTB
Workorder: E405022
Date Received: 5/3/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/3/2024 5:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SS06 -0’ 5

SS07 -0’ 6

S-8 - 4.5’ 7

S-11 -5’ 8

QC Summary Data 9

QC - Volatile Organics by EPA 8021B 9

QC - Nonhalogenated Organics by EPA 8015D - GRO 10

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11

QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/06/24 14:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06 -0'	E405022-01A	Soil	05/01/24	05/03/24	Glass Jar, 2 oz.
SS07 -0'	E405022-02A	Soil	05/01/24	05/03/24	Glass Jar, 2 oz.
S-8 - 4.5'	E405022-03A	Soil	05/01/24	05/03/24	Glass Jar, 2 oz.
S-11 -5'	E405022-04A	Soil	05/01/24	05/03/24	Glass Jar, 2 oz.
S-11 -6'	E405022-05A	Soil	05/01/24	05/03/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

SS06 -0'

E405022-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Benzene	ND	0.0250	1	05/03/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/03/24	05/03/24	
Toluene	ND	0.0250	1	05/03/24	05/03/24	
o-Xylene	ND	0.0250	1	05/03/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/03/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/03/24	05/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/03/24	05/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418120
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*05/03/24*	*05/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2418123
Chloride	**31.4**	20.0	1	05/03/24	05/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

SS07 -0'

E405022-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Benzene	ND	0.0250	1	05/03/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/03/24	05/03/24	
Toluene	ND	0.0250	1	05/03/24	05/03/24	
o-Xylene	ND	0.0250	1	05/03/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/03/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/03/24	05/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/03/24	05/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418120
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*05/03/24*	*05/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2418123
Chloride	**24.3**	20.0	1	05/03/24	05/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

S-8 - 4.5'

E405022-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Benzene	ND	0.0250	1	05/03/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/03/24	05/03/24	
Toluene	ND	0.0250	1	05/03/24	05/03/24	
o-Xylene	ND	0.0250	1	05/03/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/03/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/03/24	05/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/03/24	05/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418120
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*05/03/24*	*05/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2418123
Chloride	**53.9**	20.0	1	05/03/24	05/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

S-11 -5'

E405022-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Benzene	ND	0.0250	1	05/03/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/03/24	05/03/24	
Toluene	ND	0.0250	1	05/03/24	05/03/24	
o-Xylene	ND	0.0250	1	05/03/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/03/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/03/24	05/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2418115
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/03/24	05/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*05/03/24*	*05/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2418120
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*05/03/24*	*05/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2418123
Chloride	**48.3**	20.0	1	05/03/24	05/03/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

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 (2418115-BLK1)									Prepared: 05/03/24 Analyzed: 05/03/24
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	*7.26*		*8.00*		*90.8*	*70-130*			
LCS (2418115-BS1)									Prepared: 05/03/24 Analyzed: 05/03/24
Benzene	4.44	0.0250	5.00		88.8	70-130			
Ethylbenzene	4.92	0.0250	5.00		98.3	70-130			
Toluene	4.76	0.0250	5.00		95.3	70-130			
o-Xylene	4.87	0.0250	5.00		97.4	70-130			
p,m-Xylene	9.90	0.0500	10.0		99.0	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.18*		*8.00*		*89.7*	*70-130*			
Matrix Spike (2418115-MS1)				**Source: E405020-02**					Prepared: 05/03/24 Analyzed: 05/03/24
Benzene	4.35	0.0250	5.00	ND	87.0	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.5	61-133			
Toluene	4.71	0.0250	5.00	ND	94.2	61-130			
o-Xylene	4.84	0.0250	5.00	ND	96.8	63-131			
p,m-Xylene	9.83	0.0500	10.0	ND	98.3	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.16*		*8.00*		*89.6*	*70-130*			
Matrix Spike Dup (2418115-MSD1)				**Source: E405020-02**					Prepared: 05/03/24 Analyzed: 05/03/24
Benzene	4.42	0.0250	5.00	ND	88.3	54-133	1.58	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133	2.30	20	
Toluene	4.81	0.0250	5.00	ND	96.3	61-130	2.16	20	
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131	2.25	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	2.31	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	2.29	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.22*		*8.00*		*90.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2418115-BLK1)									Prepared: 05/03/24 Analyzed: 05/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2418115-BS2)									Prepared: 05/03/24 Analyzed: 05/03/24
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			
Matrix Spike (2418115-MS2)				**Source: E405020-02**					Prepared: 05/03/24 Analyzed: 05/03/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.5*	*70-130*			
Matrix Spike Dup (2418115-MSD2)				**Source: E405020-02**					Prepared: 05/03/24 Analyzed: 05/03/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.9	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2418120-BLK1)									Prepared: 05/03/24 Analyzed: 05/03/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*50-200*			
LCS (2418120-BS1)									Prepared: 05/03/24 Analyzed: 05/03/24
Diesel Range Organics (C10-C28)	293	25.0	250		117	38-132			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*50-200*			
Matrix Spike (2418120-MS1)				**Source: E405020-03**					Prepared: 05/03/24 Analyzed: 05/03/24
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2418120-MSD1)				**Source: E405020-03**					Prepared: 05/03/24 Analyzed: 05/03/24
Diesel Range Organics (C10-C28)	303	25.0	250	ND	121	38-132	1.26	20	
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/6/2024 2:16:07PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2418123-BLK1)									Prepared: 05/03/24 Analyzed: 05/03/24
Chloride	ND	20.0							
LCS (2418123-BS1)									Prepared: 05/03/24 Analyzed: 05/03/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2418123-MS1)				**Source: E405020-02**					Prepared: 05/03/24 Analyzed: 05/03/24
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2418123-MSD1)				**Source: E405020-02**					Prepared: 05/03/24 Analyzed: 05/03/24
Chloride	257	20.0	250	ND	103	80-120	0.187	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/06/24 14:16

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

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: Merchant CTB	Address: 3122 National Parks Hwy	E405022	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

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				Remarks
15:59	5/1/2024	S	1	SS06 - 0'		1						X						
14:42	5/1/2024	S	1	SS07 - 0'		2						X						
13:18	5/1/2024	S	1	S-8 - 4.5'		3						X						
11:13	5/1/2024	S	1	S-11 - 5'		4						X						
11:33	5/1/2024	S	1	S-11 - 6'		5						X						Do not run BGDOC unless S-11 - 5' is >100 TPH and 600 Cl

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	5/2/24	1040	Michelle Gonzales	5.2.24	1040
Michelle Gonzales	5.2.24	1600	[signature]	5.2.24	1730
[signature]	5.2.24	2400	Kaylah R Hall	5-3-24	0500
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

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: 5/3/2024 11:04:25AM

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:	05/03/24 05:00	Work Order ID:	E405022
Phone:	(972) 371-5200	Date Logged In:	05/02/24 15:46	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	05/03/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

For Sample -05 (S-11 -6) : Do not run unless sample -04 (S-11 5) is >100 TPH and 600CL

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E410285
Job Number:	23003-0002
Received:	10/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/1/24

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

Date Reported: 11/1/24

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

Project Name: Merchant CTB
Workorder: E410285
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: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS01-2’ 5
- FS02-2’ 6
- FS03-2’ 7
- FS04-2’ 8
- FS05-2’ 9
- FS06-2’ 10
- FS07-2’ 11
- FS08-2’ 12
- FS09-2’ 13
- FS10-2’ 14
- FS11-2’ 15
- S15-4’ 16

QC Summary Data 17

- QC - Volatile Organic Compounds by EPA8260B 17
- QC - Nonhalogenated Organics by EPA 8015D - GRO 18
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 19
- QC - Anions by EPA 300.0/9056A 20

Definitions and Notes 21

Chain of Custody etc. 22

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/01/24 11:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-2'	E410285-01A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS02-2'	E410285-02A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS03-2'	E410285-03A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS04-2'	E410285-04A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS05-2'	E410285-05A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS06-2'	E410285-06A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS07-2'	E410285-07A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS08-2'	E410285-08A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS09-2'	E410285-09A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS10-2'	E410285-10A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
FS11-2'	E410285-11A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.
S15-4'	E410285-12A	Soil	10/22/24	10/24/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS01-2'

E410285-01

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		*98.3 %*	*70-130*	*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*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		*98.3 %*	*70-130*	*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*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		*92.2 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	**109**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS02-2'

E410285-02

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	*98.3 %*	*70-130*		*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4	*99.4 %*	*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	*98.3 %*	*70-130*		*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4	*99.4 %*	*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	**216**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS03-2'

E410285-03

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		*100 %*	*70-130*	*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*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		*100 %*	*70-130*	*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*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		*90.1 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	**20.9**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS04-2'

E410285-04

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		*99.2 %*	*70-130*	*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*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		*99.2 %*	*70-130*	*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*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		*95.6 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	ND	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS05-2'

E410285-05

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		*95.8 %*	*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		*101 %*	*70-130*	*10/24/24*	*10/29/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*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		*93.0 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	ND	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS06-2'

E410285-06

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	10/30/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/30/24	
Toluene	ND	0.0250	1	10/24/24	10/30/24	
o-Xylene	ND	0.0250	1	10/24/24	10/30/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/30/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*10/24/24*	*10/30/24*	
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	10/30/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*10/24/24*	*10/30/24*	
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		*96.4 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	ND	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS07-2'

E410285-07

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	10/30/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/30/24	
Toluene	ND	0.0250	1	10/24/24	10/30/24	
o-Xylene	ND	0.0250	1	10/24/24	10/30/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/30/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*10/24/24*	*10/30/24*	
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	10/30/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*10/24/24*	*10/30/24*	
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		*92.4 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	**25.5**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS08-2'

E410285-08

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	10/30/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/30/24	
Toluene	ND	0.0250	1	10/24/24	10/30/24	
o-Xylene	ND	0.0250	1	10/24/24	10/30/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/30/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*10/24/24*	*10/30/24*	
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	10/30/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*10/24/24*	*10/30/24*	
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		*97.7 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	**35.4**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS09-2'

E410285-09

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	10/30/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/30/24	
Toluene	ND	0.0250	1	10/24/24	10/30/24	
o-Xylene	ND	0.0250	1	10/24/24	10/30/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/30/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*10/24/24*	*10/30/24*	
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	10/30/24	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*10/24/24*	*10/30/24*	
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	**99.6**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS10-2'

E410285-10

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	10/30/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/30/24	
Toluene	ND	0.0250	1	10/24/24	10/30/24	
o-Xylene	ND	0.0250	1	10/24/24	10/30/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/30/24	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*10/24/24*	*10/30/24*	
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	10/30/24	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*10/24/24*	*10/30/24*	
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		*101 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	**50.4**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

FS11-2'

E410285-11

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	10/30/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/30/24	
Toluene	ND	0.0250	1	10/24/24	10/30/24	
o-Xylene	ND	0.0250	1	10/24/24	10/30/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/30/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*10/24/24*	*10/30/24*	
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	10/30/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*10/24/24*	*10/30/24*	
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	**40.0**	20.0	1	10/26/24	10/28/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

S15-4'

E410285-12

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	10/30/24	
Ethylbenzene	ND	0.0250	1	10/24/24	10/30/24	
Toluene	ND	0.0250	1	10/24/24	10/30/24	
o-Xylene	ND	0.0250	1	10/24/24	10/30/24	
p,m-Xylene	ND	0.0500	1	10/24/24	10/30/24	
Total Xylenes	ND	0.0250	1	10/24/24	10/30/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*10/24/24*	*10/30/24*	
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	10/30/24	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*10/24/24*	*10/30/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*10/24/24*	*10/30/24*	
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		*114 %*	*50-200*	*10/30/24*	*10/31/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2443208
Chloride	**391**	20.0	1	10/26/24	10/28/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

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:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

Nonhalogenated Organics by EPA 8015D - GRO

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
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:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/1/2024 11:34:17AM

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 (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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/01/24 11:34

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410285	Job Number 23030002	1D 2D 3D Std: Std X	NM CO UT TX: NM X
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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

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				Remarks
1011	10/22/24	soil	1	FS01-21		1						X						
1017				02		2						X						
1019				03		3						X						
1025				04		4						X						
1023				05		5						X						
1023				06		6						X						
1021				07		7						X						
1019				08		8						X						
1018				09		9						X						
1025				10		10						X						

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrada Alguinaldo

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/23/24	7:45	Michelle Gonzales	10.23.24	1120
Michelle Gonzales	10.23.24	1620		10.23.24	1730
	10.23.24	2330		10.24.24	8:00

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E 410285	Job Number 23005.0002	1D 2D 3D Std: Std X	NM X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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

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	Remarks
1024	10/22/24	Soil	1	FS11 - 2'		11						X			
1157	↓	↓	↓	SS15 - 4'		12						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel E/ Oluwale A / Ignito G.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/23/24	7:45	Michelle Gonzales	10.23.24	1120
Michelle Gonzales	10.23.24	1620	[signature]	10.23.24	1730
[signature]	10.23.24	2330	[signature]	10.24.24	8:00

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

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: 10/24/2024 8:42:10AM

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:	10/24/24 08:00	Work Order ID:	E410285
Phone:	(972) 371-5200	Date Logged In:	10/23/24 13:10	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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E410357
Job Number:	23003-0002
Received:	10/30/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/6/24

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

Date Reported: 11/6/24

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

Project Name: Merchant CTB
Workorder: E410357
Date Received: 10/30/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/30/2024 8:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS12-2’ 6

FS13-2’ 7

FS14-2’ 8

FS15-2’ 9

FS16-2’ 10

FS17-2’ 11

FS21-2’ 12

FS22-2’ 13

FS23-2’ 14

FS24-2’ 15

FS25-2’ 16

FS28-2’ 17

FS29-2’ 18

FS30-2’ 19

FS31-2’ 20

FS32-2’ 21

FS33-2’ 22

FS36-2’ 23

FS41-2’ 24

FS42-2’ 25

Table of Contents (continued)

FS49-2’ 26

QC Summary Data 27

QC - Volatile Organics by EPA 8021B 27

QC - Nonhalogenated Organics by EPA 8015D - GRO 29

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 31

QC - Anions by EPA 300.0/9056A 33

Definitions and Notes 35

Chain of Custody etc. 36

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/24 07:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS12-2'	E410357-01A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS13-2'	E410357-02A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS14-2'	E410357-03A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS15-2'	E410357-04A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS16-2'	E410357-05A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS17-2'	E410357-06A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS21-2'	E410357-07A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS22-2'	E410357-08A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS23-2'	E410357-09A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS24-2'	E410357-10A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS25-2'	E410357-11A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS28-2'	E410357-12A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS29-2'	E410357-13A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS30-2'	E410357-14A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS31-2'	E410357-15A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS32-2'	E410357-16A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS33-2'	E410357-17A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS36-2'	E410357-18A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS41-2'	E410357-19A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS42-2'	E410357-20A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.
FS49-2'	E410357-21A	Soil	10/28/24	10/30/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS12-2'

E410357-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*92.4 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**375**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS13-2'

E410357-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**232**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS14-2'

E410357-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*92.7 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	ND	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS15-2'

E410357-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*88.2 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	ND	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS16-2'

E410357-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*94.1 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	ND	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS17-2'

E410357-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**114**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS21-2'

E410357-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*92.7 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**243**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS22-2'

E410357-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**57.3**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS23-2'

E410357-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*94.6 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**25.0**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS24-2'

E410357-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*92.4 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	ND	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS25-2'

E410357-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	**30.1**	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**346**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS28-2'

E410357-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/04/24	
Toluene	ND	0.0250	1	10/30/24	11/04/24	
o-Xylene	ND	0.0250	1	10/30/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*10/30/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*10/30/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/02/24	
Surrogate: n-Nonane		*89.9 %*	*50-200*	*10/30/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**322**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS29-2'

E410357-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	**33.0**	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	**78.8**	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**162**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS30-2'

E410357-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*95.0 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**269**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS31-2'

E410357-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*90.6 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**23.8**	20.0	1	11/01/24	11/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS32-2'

E410357-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*97.3 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**137**	20.0	1	11/01/24	11/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS33-2'

E410357-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*92.0 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**235**	20.0	1	11/01/24	11/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS36-2'

E410357-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	**108**	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	**175**	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**347**	20.0	1	11/01/24	11/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS41-2'

E410357-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**381**	20.0	1	11/01/24	11/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS42-2'

E410357-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Benzene	ND	0.0250	1	10/30/24	11/03/24	
Ethylbenzene	ND	0.0250	1	10/30/24	11/03/24	
Toluene	ND	0.0250	1	10/30/24	11/03/24	
o-Xylene	ND	0.0250	1	10/30/24	11/03/24	
p,m-Xylene	ND	0.0500	1	10/30/24	11/03/24	
Total Xylenes	ND	0.0250	1	10/30/24	11/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/30/24	11/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*10/30/24*	*11/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444079
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/24	11/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/24	11/03/24	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*10/30/24*	*11/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2444153
Chloride	**118**	20.0	1	11/01/24	11/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

FS49-2'

E410357-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2444145
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane		*91.1 %*	*50-200*	*11/01/24*	*11/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2444131
Chloride	**162**	20.0	1	10/31/24	10/31/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

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 (2444080-BLK1)									Prepared: 10/30/24 Analyzed: 11/03/24
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	*7.94*		*8.00*		*99.3*	*70-130*			
LCS (2444080-BS1)									Prepared: 10/30/24 Analyzed: 11/03/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.8*	*70-130*			
LCS Dup (2444080-BSD1)									Prepared: 10/30/24 Analyzed: 11/03/24
Benzene	5.19	0.0250	5.00		104	70-130	1.91	20	
Ethylbenzene	5.10	0.0250	5.00		102	70-130	1.82	20	
Toluene	5.19	0.0250	5.00		104	70-130	1.90	20	
o-Xylene	5.12	0.0250	5.00		102	70-130	1.79	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	1.66	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	1.70	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

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 (2444129-BLK1)									Prepared: 10/31/24 Analyzed: 11/04/24
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	*7.06*		*8.00*		*88.2*	*70-130*			
LCS (2444129-BS1)									Prepared: 10/31/24 Analyzed: 11/04/24
Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.12*		*8.00*		*89.0*	*70-130*			
LCS Dup (2444129-BSD1)									Prepared: 10/31/24 Analyzed: 11/04/24
Benzene	4.93	0.0250	5.00		98.5	70-130	3.01	20	
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130	2.63	20	
Toluene	4.96	0.0250	5.00		99.2	70-130	2.98	20	
o-Xylene	4.91	0.0250	5.00		98.2	70-130	2.48	20	
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130	2.62	20	
Total Xylenes	14.9	0.0250	15.0		99.2	70-130	2.57	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.24*		*8.00*		*90.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2444080-BLK1)									Prepared: 10/30/24 Analyzed: 11/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2444080-BS2)									Prepared: 10/30/24 Analyzed: 11/03/24
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			
LCS Dup (2444080-BSD2)									Prepared: 10/30/24 Analyzed: 11/03/24
Gasoline Range Organics (C6-C10)	38.5	20.0	50.0		77.0	70-130	6.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2444129-BLK1)									Prepared: 10/31/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*70-130*			
LCS (2444129-BS2)									Prepared: 10/31/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.3*	*70-130*			
LCS Dup (2444129-BSD2)									Prepared: 10/31/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.3	70-130	4.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2444079-BLK1)									Prepared: 10/30/24 Analyzed: 11/02/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.3*		*50.0*		*92.5*	*50-200*			
LCS (2444079-BS1)									Prepared: 10/30/24 Analyzed: 11/02/24
Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
Surrogate: n-Nonane	*45.9*		*50.0*		*91.8*	*50-200*			
LCS Dup (2444079-BSD1)									Prepared: 10/30/24 Analyzed: 11/02/24
Diesel Range Organics (C10-C28)	248	25.0	250		99.1	38-132	1.87	20	
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2444145-BLK1)									Prepared: 11/01/24 Analyzed: 11/01/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			
LCS (2444145-BS1)									Prepared: 11/01/24 Analyzed: 11/01/24
Diesel Range Organics (C10-C28)	231	25.0	250		92.3	38-132			
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*50-200*			
LCS Dup (2444145-BSD1)									Prepared: 11/01/24 Analyzed: 11/01/24
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132	8.23	20	
Surrogate: n-Nonane	*47.3*		*50.0*		*94.6*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2444131-BLK1)									Prepared: 10/31/24 Analyzed: 10/31/24
Chloride	ND	20.0							
LCS (2444131-BS1)									Prepared: 10/31/24 Analyzed: 10/31/24
Chloride	250	20.0	250		100	90-110			
LCS Dup (2444131-BSD1)									Prepared: 10/31/24 Analyzed: 10/31/24
Chloride	250	20.0	250		99.9	90-110	0.115	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 7:50:01AM

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 (2444153-BLK1)									Prepared: 11/01/24 Analyzed: 11/01/24
Chloride	ND	20.0							
LCS (2444153-BS1)									Prepared: 11/01/24 Analyzed: 11/01/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2444153-BSD1)									Prepared: 11/01/24 Analyzed: 11/01/24
Chloride	251	20.0	250		100	90-110	0.0988	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/24 07:50

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E4110357	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		NM ✓
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

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			
1033	10/28/24	Soil	1	FS12-2'		1						X					
1036				13		2						X					
1040				14		3						X					
1043				15		4						X					
1047				16		5						X					
1050				17		6						X					
1103				21		7						X					
1119				22		8						X					
1122				23		9						X					
1125				24		10						X					

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Israel Estrella	10/29/24	7:15	Michelle Gonzales	10.29.24	0715
Michelle Gonzales	10.29.24	1630		10.29.24	1630
	10.29.24	2245	Carla Moran	10.30.24	8:00

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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410357	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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				

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

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	Remarks
1130	10/28/24	Soil	1	FS25-2'		11						X			
1146				28		12						X			
1310				29		13						X			
1311				30		14						X			
1312				31		15						X			
1314				~~33~~ 32		16						X			
1315				33		17						X			
~~1319~~				~~35~~		18						X			
1321				36		19						X			
1331				41		20						X			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Israel Estrella~~	10/29/24	7:15	Michelle Gonzales	10.29.24	0715
Michelle Gonzales	10.29.24	1630		10.29.24	1630
	10.29.24	2245		10.30.24	8:00

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

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E4/0357	1D 2D 3D Std	NM CO UT TX
Project:	Address: 3122 National Parks Hwy	Job Number 23003.0002		NM ✓
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

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				Remarks
1333	10/28/24	soil	1	FS42-21		21						X						
1345	↓	↓	↓	↓49 ↓		22						X						
				+														

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/29/24	7:15	Michelle Gonzales	10.29.24	0715
Michelle Gonzales	10.29.24	1630		10.29.24	1630
	10.29.24	2245		10.30.24	8:00
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: Ⓨ / N

T1 T2 T3

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 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: 10/30/2024 8:50:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	10/30/24 08:00	Work Order ID:	E410357
Phone:	(972) 371-5200	Date Logged In:	10/29/24 16:19	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/05/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410357	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		✓
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

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	Remarks
1033	10/28/24	Soil	1	FS12-2'		1						X			
1036	↓	↓	↓	13		2						X			
1040				14		3						X			
1043				15		4						X			
1047				16		5						X			
1050				17		6						X			
1103				21		7						X			
1119				22		8						X			
1122				23		9						X			
1125	↓	↓	↓	↓ 24		10						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/29/24	7:15	Michelle Gonzales	10.29.24	0715
Michelle Gonzales	10.29.24	1630	[signature] NABO	10.29.24	1630
[signature] NABO	10.29.24	2245	Earth Mann	10.30.24	8:00
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

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Page 213 of 983

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410357	Job Number 23003.0002	1D 2D 3D Std: X
Project: Merchant CTB	Address: 3122 National Parks Hwy			NM: X CO UT TX
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

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	Remarks
1130	10/28/24	Soil	1	FS25-2'		11						X			
1146				28		12						X			
1310				29		13						X			
1311				30		14						X			
1312				31		15						X			
1314				~~33~~ 32		16						X			
1315				33		17						X			
~~1319~~				~~35~~		~~18~~	NS					X			Lab #
1321				36		~~19~~ 18	11-4-24					X			18
1331				41		~~20~~ 19						X			19

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Israel Estrella~~	10/29/24	7:15	Michelle Gonzales	10.29.24	0715
Michelle Gonzales	10.29.24	1630		10.29.24	1630
	10.29.24	2245	Cath Mann	10.30.24	8:00

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Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
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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:	Address: 3122 National Parks Hwy	E 4/0357	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

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				Remarks
1333	10/28/24	soil	1	FS42-2'		21	NS					X						Lab # 20
1345	↓	↓	↓	↓ 49 ↓		~~22~~	11-4-24					X						21
				+														

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/29/24	7:15	Michelle Gonzales	10.29.24	0715
Michelle Gonzales	10.29.24	1630		10.29.24	1630
	10.29.24	2245		10.30.24	8:00

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T1 T2 T3

AVG Temp °C 4

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E410380
Job Number:	23003-0002
Received:	10/31/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/6/24

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

Date Reported: 11/6/24

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

Project Name: Merchant CTB
Workorder: E410380
Date Received: 10/31/2024 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/31/2024 6:30:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS20-2’ 5

FS26-2’ 6

FS27-2’ 7

QC Summary Data 8

QC - Volatile Organics by EPA 8021B 8

QC - Nonhalogenated Organics by EPA 8015D - GRO 9

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10

QC - Anions by EPA 300.0/9056A 11

Definitions and Notes 12

Chain of Custody etc. 13

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/24 11:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS20-2'	E410380-01A	Soil	10/29/24	10/31/24	Glass Jar, 2 oz.
FS26-2'	E410380-02A	Soil	10/29/24	10/31/24	Glass Jar, 2 oz.
FS27-2'	E410380-03A	Soil	10/29/24	10/31/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 11:48:26AM

FS20-2'

E410380-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2444145
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*11/01/24*	*11/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445020
Chloride	**349**	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 11:48:26AM

FS26-2'

E410380-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2444145
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane		*95.4 %*	*50-200*	*11/01/24*	*11/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445020
Chloride	**345**	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 11:48:26AM

FS27-2'

E410380-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2444129
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*10/31/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2444145
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*11/01/24*	*11/01/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445020
Chloride	**343**	20.0	1	11/04/24	11/04/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 11:48:26AM

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 (2444129-BLK1)									Prepared: 10/31/24 Analyzed: 11/04/24
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	*7.06*		*8.00*		*88.2*	*70-130*			
LCS (2444129-BS1)									Prepared: 10/31/24 Analyzed: 11/04/24
Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.12*		*8.00*		*89.0*	*70-130*			
LCS Dup (2444129-BSD1)									Prepared: 10/31/24 Analyzed: 11/04/24
Benzene	4.93	0.0250	5.00		98.5	70-130	3.01	20	
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130	2.63	20	
Toluene	4.96	0.0250	5.00		99.2	70-130	2.98	20	
o-Xylene	4.91	0.0250	5.00		98.2	70-130	2.48	20	
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130	2.62	20	
Total Xylenes	14.9	0.0250	15.0		99.2	70-130	2.57	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.24*		*8.00*		*90.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 11:48:26AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2444129-BLK1)									Prepared: 10/31/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*70-130*			
LCS (2444129-BS2)									Prepared: 10/31/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.3*	*70-130*			
LCS Dup (2444129-BSD2)									Prepared: 10/31/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.3	70-130	4.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 11:48:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2444145-BLK1)									Prepared: 11/01/24 Analyzed: 11/01/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			
LCS (2444145-BS1)									Prepared: 11/01/24 Analyzed: 11/01/24
Diesel Range Organics (C10-C28)	231	25.0	250		92.3	38-132			
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*50-200*			
LCS Dup (2444145-BSD1)									Prepared: 11/01/24 Analyzed: 11/01/24
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132	8.23	20	
Surrogate: n-Nonane	*47.3*		*50.0*		*94.6*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 11:48:26AM

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 (2445020-BLK1)									Prepared: 11/04/24 Analyzed: 11/04/24
Chloride	ND	20.0							
LCS (2445020-BS1)									Prepared: 11/04/24 Analyzed: 11/05/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2445020-BSD1)									Prepared: 11/04/24 Analyzed: 11/04/24
Chloride	254	20.0	250		101	90-110	0.497	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/24 11:48

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410380	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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

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			
1037	10/29/24	Soil	1	FS20-2'		1						X					
1044	↓	↓	↓	↓ 24		2						X					
1040	↓	↓	↓	↓ 27		3						X					
				+													

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Israel Estrella	10/30/24	8:11	Michelle Gonzales	10.30.24	0811
Michelle Gonzales	10-30-24	1600		10.30.24	1630
	10.30.24	2315	Caitlin Mar	10.31.24	6:30
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

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: 10/31/2024 7:39:53AM

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:	10/31/24 06:30	Work Order ID:	E410380
Phone:	(972) 371-5200	Date Logged In:	10/30/24 14:37	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/06/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411085
Job Number:	23003-0002
Received:	11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/18/24

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

Date Reported: 11/18/24

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

Project Name: Merchant CTB
Workorder: E411085
Date Received: 11/9/2024 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS18 - 2’ 6

FS19 - 2’ 7

FS34 - 2’ 8

FS37 - 2’ 9

FS40 - 2’ 10

FS42 - 2’ 11

FS43 - 2’ 12

FS45 - 2’ 13

FS47 - 2’ 14

FS48 - 2’ 15

FS50 - 2’ 16

FS54 - 2’ 17

FS55 - 2’ 18

FS56 - 2’ 19

FS59 - 2’ 20

FS63 - 2’ 21

FS64 - 2’ 22

FS66 - 2’ 23

FS67 - 2’ 24

FS69 - 2’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organic Compounds by EPA8260B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/24 12:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS18 - 2'	E411085-01A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS19 - 2'	E411085-02A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS34 - 2'	E411085-03A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS37 - 2'	E411085-04A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS40 - 2'	E411085-05A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS42 - 2'	E411085-06A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS43 - 2'	E411085-07A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS45 - 2'	E411085-08A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS47 - 2'	E411085-09A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS48 - 2'	E411085-10A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS50 - 2'	E411085-11A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS54 - 2'	E411085-12A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS55 - 2'	E411085-13A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS56 - 2'	E411085-14A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS59 - 2'	E411085-15A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS63 - 2'	E411085-16A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS64 - 2'	E411085-17A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS66 - 2'	E411085-18A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS67 - 2'	E411085-19A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS69 - 2'	E411085-20A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS18 - 2'

E411085-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*85.5 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	ND	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS19 - 2'

E411085-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*88.5 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	ND	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS34 - 2'

E411085-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*87.1 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**115**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS37 - 2'

E411085-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**73.4**	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	**125**	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*88.2 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**214**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS40 - 2'

E411085-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**47.3**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS42 - 2'

E411085-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*81.6 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**46.5**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS43 - 2'

E411085-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*87.6 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**24.8**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS45 - 2'

E411085-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**60.8**	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	**93.3**	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*92.2 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**372**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS47 - 2'

E411085-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**25.8**	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*86.5 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**324**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS48 - 2'

E411085-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/11/24	
Surrogate: n-Nonane		*81.1 %*	*50-200*	*11/11/24*	*11/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**271**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS50 - 2'

E411085-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**26.6**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*90.6 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**372**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS54 - 2'

E411085-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**45.7**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*90.5 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**74.5**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS55 - 2'

E411085-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*88.6 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**151**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS56 - 2'

E411085-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*85.7 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**338**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS59 - 2'

E411085-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**46.8**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	**59.8**	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*91.8 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**189**	20.0	1	11/13/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS63 - 2'

E411085-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*90.9 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**53.1**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS64 - 2'

E411085-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**105**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**99.5**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS66 - 2'

E411085-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*11/11/24*	*11/13/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**78.9**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*92.4 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**316**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS67 - 2'

E411085-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**69.0**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**363**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

FS69 - 2'

E411085-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2446011
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446021
Diesel Range Organics (C10-C28)	**54.2**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*86.6 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446095
Chloride	**225**	20.0	1	11/13/24	11/14/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

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 (2446011-BLK1)									Prepared: 11/11/24 Analyzed: 11/13/24
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	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.456*		*0.500*		*91.1*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
LCS (2446011-BS1)									Prepared: 11/11/24 Analyzed: 11/13/24
Benzene	2.43	0.0250	2.50		97.0	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.6	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.03	0.0500	5.00		101	70-130			
Total Xylenes	7.56	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
LCS Dup (2446011-BSD1)									Prepared: 11/11/24 Analyzed: 11/13/24
Benzene	2.49	0.0250	2.50		99.4	70-130	2.42	23	
Ethylbenzene	2.53	0.0250	2.50		101	70-130	2.64	27	
Toluene	2.56	0.0250	2.50		103	70-130	2.15	24	
o-Xylene	2.59	0.0250	2.50		104	70-130	2.42	27	
p,m-Xylene	5.17	0.0500	5.00		103	70-130	2.88	27	
Total Xylenes	7.77	0.0250	7.50		104	70-130	2.73	27	
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2446011-BLK1)									Prepared: 11/11/24 Analyzed: 11/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.456*		*0.500*		*91.1*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
LCS (2446011-BS2)									Prepared: 11/11/24 Analyzed: 11/13/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.539*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.460*		*0.500*		*91.9*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
LCS Dup (2446011-BSD2)									Prepared: 11/11/24 Analyzed: 11/14/24
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130	11.4	20	
Surrogate: Bromofluorobenzene	*0.535*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.542*		*0.500*		*108*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446021-BLK1)									Prepared: 11/11/24 Analyzed: 11/11/24
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 (2446021-BS1)									Prepared: 11/11/24 Analyzed: 11/11/24
Diesel Range Organics (C10-C28)	244	25.0	250		97.4	38-132			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.6*	*50-200*			
Matrix Spike (2446021-MS1)				**Source: E411085-15**					Prepared: 11/11/24 Analyzed: 11/11/24
Diesel Range Organics (C10-C28)	259	25.0	250	46.8	84.7	38-132			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.3*	*50-200*			
Matrix Spike Dup (2446021-MSD1)				**Source: E411085-15**					Prepared: 11/11/24 Analyzed: 11/11/24
Diesel Range Organics (C10-C28)	284	25.0	250	46.8	95.1	38-132	9.51	20	
Surrogate: n-Nonane	*45.5*		*50.0*		*91.1*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 12:53:46PM

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 (2446095-BLK1)									Prepared: 11/13/24 Analyzed: 11/13/24
Chloride	ND	20.0							
LCS (2446095-BS1)									Prepared: 11/13/24 Analyzed: 11/13/24
Chloride	258	20.0	250		103	90-110			
LCS Dup (2446095-BSD1)									Prepared: 11/13/24 Analyzed: 11/13/24
Chloride	257	20.0	250		103	90-110	0.125	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/24 12:53

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411085	Job Number 23003.0002	1D 2D 3D Std: Std X
Project: Merchant CTB	Address: 3122 National Parks Hwy			NM X CO UT TX
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

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				Remarks
929	11/6/24	Soil	1	FS18-2'		1						X						
930				19		2						X						
931				34		3						X						
933				37		4						X						
936				40		5						X						
937				42		6						X						
937				43		7						X						
938				45		8						X						
940				47		9						X						
941				48		10						X						

EPA Program				
SDWA	CWA	RCRA		
Compliance	Y	or	N	
PWSID #				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/7/24	9:01	Michelle Gonzales	11-7-24	0901
Michelle Gonzales	11-8-24	1645		11-8-24	1641
	11-8-24	2236	Cath Ma	11.9.24	10:00

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411085	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 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

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
1021	11/6/24	Soil	1	FS50-2'		11						X		
1028				54		12						X		
1029				55		13						X		
1030				56		14						X		
1034				59		15						X		
1039				63		16						X		
1039				64		17						X		
1041				66		18						X		
1042				67		19						X		
1044				69		20						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Israel Estrella	11/7/24	9:01	Michelle Gonzales	11-7-24	0901
Michelle Gonzales	11-8-24	1645		11.8.24	1641
	11.8.24	2236		11.9.24	10:00

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

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: 11/11/2024 10:18:15AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/09/24 10:00	Work Order ID:	E411085
Phone:	(972) 371-5200	Date Logged In:	11/08/24 12:11	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project Merchant CTB has been split into 2 WOs due to high sample volume, WOs are E411085 and E411086.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411086
Job Number:	23003-0002
Received:	11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/18/24

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

Date Reported: 11/18/24

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

Project Name: Merchant CTB
Workorder: E411086
Date Received: 11/9/2024 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS71 - 2 5

FS72 - 2 6

FS73 - 2 7

FS74 - 2 8

FS75 - 2 9

FS76 - 2 10

FS77 - 2 11

FS78 - 2 12

FS81 - 2 13

FS82 - 2 14

FS83 - 2 15

FS84 - 2 16

QC Summary Data 17

QC - Volatile Organics by EPA 8021B 17

QC - Nonhalogenated Organics by EPA 8015D - GRO 18

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 19

QC - Anions by EPA 300.0/9056A 20

Definitions and Notes 21

Chain of Custody etc. 22

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/24 16:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS71 - 2	E411086-01A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS72 - 2	E411086-02A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS73 - 2	E411086-03A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS74 - 2	E411086-04A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS75 - 2	E411086-05A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS76 - 2	E411086-06A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS77 - 2	E411086-07A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS78 - 2	E411086-08A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS81 - 2	E411086-09A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS82 - 2	E411086-10A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS83 - 2	E411086-11A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.
FS84 - 2	E411086-12A	Soil	11/06/24	11/09/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS71 - 2

E411086-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**124**	20.0	1	11/12/24	11/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS72 - 2

E411086-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*97.6 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**365**	20.0	1	11/12/24	11/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS73 - 2

E411086-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/13/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/13/24	
Toluene	ND	0.0250	1	11/11/24	11/13/24	
o-Xylene	ND	0.0250	1	11/11/24	11/13/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/13/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*11/11/24*	*11/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*91.1 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	ND	20.0	1	11/12/24	11/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS74 - 2

E411086-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*96.4 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**241**	20.0	1	11/12/24	11/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS75 - 2

E411086-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*95.1 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**182**	20.0	1	11/12/24	11/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS76 - 2

E411086-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**222**	20.0	1	11/12/24	11/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS77 - 2

E411086-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**122**	20.0	1	11/12/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS78 - 2

E411086-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.6 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**282**	20.0	1	11/12/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS81 - 2

E411086-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	**38.2**	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*97.0 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**41.7**	20.0	1	11/12/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS82 - 2

E411086-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**179**	20.0	1	11/12/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS83 - 2

E411086-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**242**	20.0	1	11/12/24	11/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

FS84 - 2

E411086-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Benzene	ND	0.0250	1	11/11/24	11/17/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/17/24	
Toluene	ND	0.0250	1	11/11/24	11/17/24	
o-Xylene	ND	0.0250	1	11/11/24	11/17/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/17/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*11/11/24*	*11/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446027
Diesel Range Organics (C10-C28)	ND	25.0	1	11/11/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/11/24	11/12/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/11/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2446067
Chloride	**203**	20.0	1	11/12/24	11/13/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

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 (2446002-BLK1)									Prepared: 11/11/24 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	*7.90*		*8.00*		*98.7*	*70-130*			
LCS (2446002-BS1)									Prepared: 11/11/24 Analyzed: 11/12/24
Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.7*	*70-130*			
LCS Dup (2446002-BSD1)									Prepared: 11/11/24 Analyzed: 11/12/24
Benzene	5.14	0.0250	5.00		103	70-130	1.71	20	
Ethylbenzene	5.01	0.0250	5.00		100	70-130	1.61	20	
Toluene	5.10	0.0250	5.00		102	70-130	1.67	20	
o-Xylene	5.01	0.0250	5.00		100	70-130	1.68	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	1.61	20	
Total Xylenes	15.2	0.0250	15.0		101	70-130	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2446002-BLK1)									Prepared: 11/11/24 Analyzed: 11/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.4*	*70-130*			
LCS (2446002-BS2)									Prepared: 11/11/24 Analyzed: 11/12/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS Dup (2446002-BSD2)									Prepared: 11/11/24 Analyzed: 11/12/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130	3.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446027-BLK1)									Prepared: 11/11/24 Analyzed: 11/12/24
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 (2446027-BS1)									Prepared: 11/11/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*50-200*			
Matrix Spike (2446027-MS1)				**Source: E411086-05**					Prepared: 11/11/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*50-200*			
Matrix Spike Dup (2446027-MSD1)				**Source: E411086-05**					Prepared: 11/11/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	3.11	20	
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:23:27PM

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 (2446067-BLK1)									Prepared: 11/12/24 Analyzed: 11/12/24
Chloride	ND	20.0							
LCS (2446067-BS1)									Prepared: 11/12/24 Analyzed: 11/12/24
Chloride	230	20.0	250		91.9	90-110			
Matrix Spike (2446067-MS1)				**Source: E411120-02**					Prepared: 11/12/24 Analyzed: 11/12/24
Chloride	234	20.0	250	ND	93.4	80-120			
Matrix Spike Dup (2446067-MSD1)				**Source: E411120-02**					Prepared: 11/12/24 Analyzed: 11/12/24
Chloride	234	20.0	250	ND	93.5	80-120	0.0817	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/24 16:23

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411086	1D 2D 3D Std	NM CO UT TX
Project: Merchana CTB	Address: 3122 National Parks Hwy	Job Number 23C03.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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

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	Remarks
1046	11/6/24	Soil	1	FS71-2		1						X			
1047				72		2						X			
1048				73		3						X			
1321				74		4						X			
1322				75		5						X			
1323				76		6						X			
1324				77		7						X			
1327				78		8						X			
1330				81		9						X			
1331				82		10						X			

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/7/24	9:01	Michelle Gonzales	11-7-24	0901
Michelle Gonzales	11-8-24	1645		11-8-24	1641
	11-8-24	2236	Garth Mac	11.9.24	10:00

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

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.

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411086	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 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

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	Remarks
1333	11/6/24	Soil	1	FS83-2		11						X			
1334	↓	↓	↓	↓84↓		12						X			

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/7/24	9:01	Michelle Gonzales	11-7-24	0901
Michelle Gonzales	11-8-24	1645		11-8-24	1641
	11-8-24	2236		11-9-24	10:00

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

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: 11/11/2024 10:28:37AM

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:	11/09/24 10:00	Work Order ID:	E411086
Phone:	(972) 371-5200	Date Logged In:	11/08/24 12:12	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project Merchant CTB has been split into 2 WOs due to high sample volume, WOs are E411085 and E411086.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411102
Job Number:	23003-0002
Received:	11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/18/24

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

Date Reported: 11/18/24

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

Project Name: Merchant CTB
Workorder: E411102
Date Received: 11/9/2024 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS86-1’ 6

FS90-1’ 7

FS91-1’ 8

FS92-1’ 9

FS93-2’ 10

FS94-2’ 11

FS95-1’ 12

FS96-1’ 13

FS97-1’ 14

FS100-1’ 15

FS101-1’ 16

FS102-1’ 17

FS103-2’ 18

FS104-2’ 19

FS105-1’ 20

FS109-1’ 21

FS110-1’ 22

FS111-1’ 23

FS112-1’ 24

FS113-1’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organic Compounds by EPA 8260B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/24 16:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS86-1'	E411102-01A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS90-1'	E411102-02A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS91-1'	E411102-03A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS92-1'	E411102-04A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS93-2'	E411102-05A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS94-2'	E411102-06A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS95-1'	E411102-07A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS96-1'	E411102-08A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS97-1'	E411102-09A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS100-1'	E411102-10A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS101-1'	E411102-11A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS102-1'	E411102-12A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS103-2'	E411102-13A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS104-2'	E411102-14A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS105-1'	E411102-15A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS109-1'	E411102-16A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS110-1'	E411102-17A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS111-1'	E411102-18A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS112-1'	E411102-19A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS113-1'	E411102-20A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS86-1'

E411102-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	**76.2**	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**414**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS90-1'

E411102-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*83.4 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**434**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS91-1'

E411102-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*91.2 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**530**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS92-1'

E411102-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*124 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*124 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*86.0 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	ND	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS93-2'

E411102-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*90.9 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**40.3**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS94-2'

E411102-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**74.7**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS95-1'

E411102-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*86.5 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**71.9**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS96-1'

E411102-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**482**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS97-1'

E411102-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*89.0 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**57.9**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS100-1'

E411102-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*85.3 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**373**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS101-1'

E411102-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	**54.0**	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**127**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS102-1'

E411102-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*86.9 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	ND	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS103-2'

E411102-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*81.4 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	ND	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS104-2'

E411102-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**131**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS105-1'

E411102-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**308**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS109-1'

E411102-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*90.2 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	ND	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS110-1'

E411102-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*83.6 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**61.6**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS111-1'

E411102-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/14/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/14/24	
Toluene	ND	0.0250	1	11/11/24	11/14/24	
o-Xylene	ND	0.0250	1	11/11/24	11/14/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/14/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/14/24	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*11/11/24*	*11/14/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	**20.3**	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS112-1'

E411102-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*83.6 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	ND	20.0	1	11/13/24	11/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

FS113-1'

E411102-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*86.6 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446015
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*86.6 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*90.3 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2446091
Chloride	ND	20.0	1	11/13/24	11/14/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446015-BLK1)									Prepared: 11/11/24 Analyzed: 11/14/24
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	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
LCS (2446015-BS1)									Prepared: 11/11/24 Analyzed: 11/14/24
Benzene	2.31	0.0250	2.50		92.4	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.47	0.0250	2.50		99.0	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.25	0.0500	5.00		105	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS Dup (2446015-BSD1)									Prepared: 11/11/24 Analyzed: 11/14/24
Benzene	1.96	0.0250	2.50		78.3	70-130	16.5	23	
Ethylbenzene	2.54	0.0250	2.50		101	70-130	1.88	27	
Toluene	2.46	0.0250	2.50		98.3	70-130	0.628	24	
o-Xylene	2.63	0.0250	2.50		105	70-130	0.994	27	
p,m-Xylene	5.35	0.0500	5.00		107	70-130	1.92	27	
Total Xylenes	7.98	0.0250	7.50		106	70-130	1.61	27	
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.412*		*0.500*		*82.4*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446015-BLK1)									Prepared: 11/11/24 Analyzed: 11/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
LCS (2446015-BS2)									Prepared: 11/11/24 Analyzed: 11/14/24
Gasoline Range Organics (C6-C10)	56.0	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
LCS Dup (2446015-BSD2)									Prepared: 11/11/24 Analyzed: 11/14/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130	8.92	20	
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446037-BLK1)									Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.0*		*50.0*		*84.1*	*50-200*			
LCS (2446037-BS1)									Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	222	25.0	250		88.7	38-132			
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*50-200*			
Matrix Spike (2446037-MS1)				**Source: E411102-11**					Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	313	25.0	250	54.0	103	38-132			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*50-200*			
Matrix Spike Dup (2446037-MSD1)				**Source: E411102-11**					Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	295	25.0	250	54.0	96.4	38-132	5.78	20	
Surrogate: n-Nonane	*46.7*		*50.0*		*93.4*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/2024 4:38:42PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446091-BLK1)									Prepared: 11/13/24 Analyzed: 11/14/24
Chloride	ND	20.0							
LCS (2446091-BS1)									Prepared: 11/13/24 Analyzed: 11/14/24
Chloride	250	20.0	250		100	90-110			
LCS Dup (2446091-BSD1)									Prepared: 11/13/24 Analyzed: 11/14/24
Chloride	250	20.0	250		100	90-110	0.109	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/18/24 16:38

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411102	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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

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
946	11/7/24	Soil	1	FS86-1'		1						X		
1003	↓	↓	↓	90		2						X		
1006				91		3						X		
1009				92		4						X		
1012				FS93-2'		5						X		
1015				94		6						X		
1018				FS95-1'		7						X		
1021				96		8						X		
1026				+ 97		9						X		
1038	↓	↓	↓	100	↓	10						X		

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/8/24	7:18	Michelle Gonzales	11-8-24	0718
Michelle Gonzales	11-8-24	1645	[signature]	11-8-24	1641
[signature]	11-8-24	2240	[signature]	11.9.24	10:00
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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411102	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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

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
1040	11/7/24	Soil	1	FS101-1'		11						X		
1043	↓	↓	↓	↓102↓		12						X		
1046				FS103-2'		13						X		
1052				↓104↓		14						X		
1055				FS105-1'		15						X		
1111				109		16						X		
1115				110		17						X		
1117				111		18						X		
1138				112		19						X		
1140	↓	↓	↓	113		20						X		

| Analysis and Method | | | | | |

Envirotech Analytical Laboratory

Printed: 11/11/2024 10:27:10AM

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:	11/09/24 10:00	Work Order ID:	E411102
Phone:	(972) 371-5200	Date Logged In:	11/09/24 11:50	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project Marchant CTB Has been separated into 2 reports due to sample volume. WO are E411102 & E411103. Visible white out present on COC.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411103
Job Number:	23003-0001
Received:	11/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/19/24

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

Date Reported: 11/19/24

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

Project Name: Merchant CTB
Workorder: E411103
Date Received: 11/9/2024 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/9/2024 10:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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Laboratory Technical Representative
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Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS114-1’ 6

FS117-1’ 7

FS118-2’ 8

FS119-2’ 9

FS120-2’ 10

FS121-2’ 11

FS122-2’ 12

FS123-2’ 13

FS124-2’ 14

FS128-2’ 15

FS129-2’ 16

FS130-1’ 17

FS131-1’ 18

FS132-1’ 19

FS133-1’ 20

FS134-1’ 21

FS135-1’ 22

FS136-1’ 23

FS139-1’ 24

QC Summary Data 25

Table of Contents (continued)

QC - Volatile Organic Compounds by EPA8260B 25

QC - Nonhalogenated Organics by EPA 8015D - GRO 26

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 27

QC - Anions by EPA 300.0/9056A 28

Definitions and Notes 29

Chain of Custody etc. 30

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/24 16:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS114-1'	E411103-01A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS117-1'	E411103-02A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS118-2'	E411103-03A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS119-2'	E411103-04A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS120-2'	E411103-05A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS121-2'	E411103-06A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS122-2'	E411103-07A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS123-2'	E411103-08A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS124-2'	E411103-09A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS128-2'	E411103-10A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS129-2'	E411103-11A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS130-1'	E411103-12A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS131-1'	E411103-13A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS132-1'	E411103-14A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS133-1'	E411103-15A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS134-1'	E411103-16A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS135-1'	E411103-17A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS136-1'	E411103-18A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.
FS139-1'	E411103-19A	Soil	11/07/24	11/09/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS114-1'

E411103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	ND	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS117-1'

E411103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	**29.4**	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**491**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS118-2'

E411103-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**37.2**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS119-2'

E411103-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**89.1**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS120-2'

E411103-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**29.3**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS121-2'

E411103-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	**30.9**	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**57.3**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS122-2'

E411103-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	ND	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS123-2'

E411103-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**35.4**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS124-2'

E411103-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**514**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS128-2'

E411103-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**35.9**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS129-2'

E411103-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**137**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS130-1'

E411103-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	ND	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS131-1'

E411103-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/12/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/12/24*	*11/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	ND	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS132-1'

E411103-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**47.7**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS133-1'

E411103-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**240**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS134-1'

E411103-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**23.2**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS135-1'

E411103-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**121**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS136-1'

E411103-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	**29.2**	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**416**	20.0	1	11/15/24	11/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

FS139-1'

E411103-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Benzene	ND	0.0250	1	11/11/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/11/24	11/15/24	
Toluene	ND	0.0250	1	11/11/24	11/15/24	
o-Xylene	ND	0.0250	1	11/11/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/11/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2446024
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/11/24	11/15/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*11/11/24*	*11/15/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/11/24*	*11/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446044
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/12/24	11/13/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/12/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2446154
Chloride	**75.0**	20.0	1	11/15/24	11/18/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446024-BLK1)									Prepared: 11/11/24 Analyzed: 11/14/24
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	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.455*		*0.500*		*90.9*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
LCS (2446024-BS1)									Prepared: 11/11/24 Analyzed: 11/15/24
Benzene	2.33	0.0250	2.50		93.0	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.1	70-130			
Toluene	2.31	0.0250	2.50		92.4	70-130			
o-Xylene	2.36	0.0250	2.50		94.4	70-130			
p,m-Xylene	4.69	0.0500	5.00		93.7	70-130			
Total Xylenes	7.05	0.0250	7.50		94.0	70-130			
Surrogate: Bromofluorobenzene	*0.544*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS Dup (2446024-BSD1)									Prepared: 11/11/24 Analyzed: 11/15/24
Benzene	2.58	0.0250	2.50		103	70-130	10.5	23	
Ethylbenzene	2.54	0.0250	2.50		101	70-130	11.8	27	
Toluene	2.59	0.0250	2.50		104	70-130	11.4	24	
o-Xylene	2.65	0.0250	2.50		106	70-130	11.4	27	
p,m-Xylene	5.24	0.0500	5.00		105	70-130	11.2	27	
Total Xylenes	7.89	0.0250	7.50		105	70-130	11.3	27	
Surrogate: Bromofluorobenzene	*0.547*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446024-BLK1)									Prepared: 11/11/24 Analyzed: 11/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.455*		*0.500*		*90.9*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
LCS (2446024-BS2)									Prepared: 11/11/24 Analyzed: 11/15/24
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130			
Surrogate: Bromofluorobenzene	*0.539*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.465*		*0.500*		*93.0*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
LCS Dup (2446024-BSD2)									Prepared: 11/11/24 Analyzed: 11/15/24
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130	2.64	20	
Surrogate: Bromofluorobenzene	*0.541*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446044-BLK1)									Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*60.6*		*50.0*		*121*	*50-200*			
LCS (2446044-BS1)									Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	244	25.0	250		97.7	38-132			
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*50-200*			
Matrix Spike (2446044-MS1)				**Source: E411103-04**					Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2446044-MSD1)				**Source: E411103-04**					Prepared: 11/12/24 Analyzed: 11/12/24
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132	0.982	20	
Surrogate: n-Nonane	*56.8*		*50.0*		*114*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:40:58PM

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 (2446154-BLK1)									Prepared: 11/15/24 Analyzed: 11/18/24
Chloride	ND	20.0							
LCS (2446154-BS1)									Prepared: 11/15/24 Analyzed: 11/18/24
Chloride	250	20.0	250		99.9	90-110			
LCS Dup (2446154-BSD1)									Prepared: 11/15/24 Analyzed: 11/18/24
Chloride	250	20.0	250		100	90-110	0.0792	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/24 16:40

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411103	Job Number 23003.0002	1D 2D 3D Std: Std X
Project: Merchant GB	Address: 3122 National Parks Hwy			NM X CO UT TX
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

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	Remarks
1143	11/7/24	Soil	1	FS119-1'		1						X			
1155	↓	↓	↑	↓ 117 ↓		2						X			
1158				FS118-2'		3						X			
1202				119		4						X			
1205				120		5						X			
1207				121		6						X			
1210				122		7						X			
1212				123		8						X			
1215				+ 124		9						X			
1229	↓	↓	↓	↓ 128 ↓		10						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Israel Estrella	11/8/24	7:18	Michelle Gonzales	11-8-24	0718
Michelle Gonzales	11-8-24	1645		11.8.24	1641
	11.8.24	2241	Cathy Mar	11.9.24	10:00

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411103	Job Number 23003.0002	1D 2D 3D Std: Std
Project: Merchant GB	Address: 3122 National Parks Hwy			NM CO UT TX: NM
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

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
1231	11/7/24	Soil	1	FS129-2'		11						X		
1233				FS130-1'		12						X		
1235				131		13						X		
1237				132		14						X		
1239				133		15						X		
1241				134		16						X		
1245				135		17						X		
1250				136		18						X		
1300				134 (+)		19						X		

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Israel Estrella	11/8/24	7:18	Michelle Gonzales	11-8-24	0718
Michelle Gonzales	11-8-24	1645		11.8.24	1641
	11.8.24	2241	Caitlin Mac	11.9.24	10:00

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

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: 11/11/2024 10:27:57AM

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:	11/09/24 10:00	Work Order ID:	E411103
Phone:	(972) 371-5200	Date Logged In:	11/09/24 11:55	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project Marchant CTB Has been separated into 2 reports due to sample volume. WO are E411102 & E411103.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411130
Job Number:	23003-0002
Received:	11/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/19/24

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

Date Reported: 11/19/24

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

Project Name: Merchant CTB
Workorder: E411130
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: Merchant CTB.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS140-1’ 6

FS142-1’ 7

FS143-1’ 8

FS144-1’ 9

FS145-1’ 10

FS146-1’ 11

FS148-1’ 12

FS149-1’ 13

FS151-1’ 14

FS152-1’ 15

FS147-1’ 16

FS150-1’ 17

FS29-2’ 18

FS36-2’ 19

TB4-3’ 20

TB4-4’ 21

TB4-5’ 22

QC Summary Data 23

QC - Volatile Organics by EPA 8021B 23

QC - Nonhalogenated Organics by EPA 8015D - GRO 24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 25

QC - Anions by EPA 300.0/9056A 26

Definitions and Notes 27

Chain of Custody etc. 28

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/24 16:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS140-1'	E411130-01A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS142-1'	E411130-02A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS143-1'	E411130-03A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS144-1'	E411130-04A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS145-1'	E411130-05A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS146-1'	E411130-06A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS148-1'	E411130-07A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS149-1'	E411130-08A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS151-1'	E411130-09A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS152-1'	E411130-10A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS147-1'	E411130-11A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS150-1'	E411130-12A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS29-2'	E411130-13A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
FS36-2'	E411130-14A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
TB4-3'	E411130-15A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
TB4-4'	E411130-16A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.
TB4-5'	E411130-17A	Soil	11/11/24	11/13/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS140-1'

E411130-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*11/13/24*	*11/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*11/13/24*	*11/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	**27.8**	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**309**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS142-1'

E411130-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*11/13/24*	*11/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*11/13/24*	*11/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**58.3**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS143-1'

E411130-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/18/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/18/24	
Toluene	ND	0.0250	1	11/13/24	11/18/24	
o-Xylene	ND	0.0250	1	11/13/24	11/18/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/18/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*11/13/24*	*11/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*11/13/24*	*11/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**32.9**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS144-1'

E411130-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**82.8**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS145-1'

E411130-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*97.4 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	ND	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS146-1'

E411130-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**111**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS148-1'

E411130-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**280**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS149-1'

E411130-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**42.5**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS151-1'

E411130-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*99.7 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**236**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS152-1'

E411130-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**199**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS147-1'

E411130-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	**91.1**	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**453**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS150-1'

E411130-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	**30.3**	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**246**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS29-2'

E411130-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	ND	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

FS36-2'

E411130-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	ND	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

TB4-3'

E411130-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447013
Chloride	**8600**	200	10	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

TB4-4'

E411130-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/16/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/13/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447013
Chloride	**1200**	20.0	1	11/18/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

TB4-5'

E411130-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Benzene	ND	0.0250	1	11/13/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/13/24	11/19/24	
Toluene	ND	0.0250	1	11/13/24	11/19/24	
o-Xylene	ND	0.0250	1	11/13/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/13/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/13/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446086
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*11/13/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2446105
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/24	11/17/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/13/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447013
Chloride	**66.2**	20.0	1	11/18/24	11/19/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

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 (2446086-BLK1)									Prepared: 11/13/24 Analyzed: 11/18/24
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	*7.85*		*8.00*		*98.1*	*70-130*			
LCS (2446086-BS1)									Prepared: 11/13/24 Analyzed: 11/18/24
Benzene	4.52	0.0250	5.00		90.5	70-130			
Ethylbenzene	4.33	0.0250	5.00		86.6	70-130			
Toluene	4.44	0.0250	5.00		88.8	70-130			
o-Xylene	4.38	0.0250	5.00		87.6	70-130			
p,m-Xylene	8.86	0.0500	10.0		88.6	70-130			
Total Xylenes	13.2	0.0250	15.0		88.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
LCS Dup (2446086-BSD1)									Prepared: 11/13/24 Analyzed: 11/18/24
Benzene	5.12	0.0250	5.00		102	70-130	12.4	20	
Ethylbenzene	4.92	0.0250	5.00		98.5	70-130	12.8	20	
Toluene	5.04	0.0250	5.00		101	70-130	12.6	20	
o-Xylene	4.97	0.0250	5.00		99.4	70-130	12.6	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	12.5	20	
Total Xylenes	15.0	0.0250	15.0		100	70-130	12.5	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2446086-BLK1)									Prepared: 11/13/24 Analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.7*	*70-130*			
LCS (2446086-BS2)									Prepared: 11/13/24 Analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	38.5	20.0	50.0		77.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.3*	*70-130*			
LCS Dup (2446086-BSD2)									Prepared: 11/13/24 Analyzed: 11/18/24
Gasoline Range Organics (C6-C10)	39.5	20.0	50.0		79.0	70-130	2.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446105-BLK1)									Prepared: 11/13/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.0*		*50.0*		*98.1*	*50-200*			
LCS (2446105-BS1)									Prepared: 11/13/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	230	25.0	250		92.1	38-132			
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*50-200*			
Matrix Spike (2446105-MS1)				**Source: E411130-17**					Prepared: 11/13/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	*54.1*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2446105-MSD1)				**Source: E411130-17**					Prepared: 11/13/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.2	38-132	4.21	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/2024 4:43:08PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447013-BLK1)									Prepared: 11/18/24 Analyzed: 11/19/24
Chloride	ND	20.0							
LCS (2447013-BS1)									Prepared: 11/18/24 Analyzed: 11/19/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2447013-BSD1)									Prepared: 11/18/24 Analyzed: 11/19/24
Chloride	252	20.0	250		101	90-110	0.359	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/19/24 16:43

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM

Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411130	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		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

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			
1119	11/11/24	Soil	1	FS146-1'		1						X					
1123				142		2						X					
1124				143		3						X					
1125				144		4						X					
1127				145		5						X					
1128				146		6						X					
1132				148		7						X					
1133				149		8						X					
1135				151		9						X					
1137				152		10						X					

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/12/24	8:03	Michelle Gonzales	11-12-24	0803
Michelle Gonzales	11-12-24	1740	[signature]	11.12.24	1740
[signature]	11.12.24	2400	[signature]	11.13.24	6:30
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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411130	1D 2D 3D Std	NM CO UT TX
Project: Mercury CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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

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				Remarks
1348	11/11/24	Soil	1	FS 147-1'		11						X						
1350				150 ↓		12						X						
1356				29-2'		13						X						
1358				36 ↓		14						X						
1108				TB4-3'		15						X						
1110				4'		16						X						
1408				5'		17						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Israel Estrella	11/12/24	8:03	Michelle Gonzales	11-12-24	0803
Michelle Gonzales	11-12-24	1740		11.12.24	1740
	11.12.24	2400		11.13.24	6:30

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

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: 11/13/2024 8:08:33AM

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:	11/13/24 06:30	Work Order ID:	E411130
Phone:	(972) 371-5200	Date Logged In:	11/12/24 14:23	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/19/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411154
Job Number:	23003-0002
Received:	11/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/24

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

Date Reported: 11/21/24

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

Project Name: Merchant CTB
Workorder: E411154
Date Received: 11/15/2024 6:30:37AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/15/2024 6:30:37AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- SW01- 0-3’ 5
- SW02- 0-3’ 6
- SW03- 0-2’ 7
- SW04- 0-2’ 8
- SW05- 0-2’ 9
- SW06- 0-2’ 10
- SW07- 0-2’ 11
- SW08- 0-2’ 12
- SW09- 0-2’ 13
- SW10- 0-2’ 14
- SW11- 0-2’ 15

QC Summary Data 16

- QC - Volatile Organics by EPA 8021B 16
- QC - Nonhalogenated Organics by EPA 8015D - GRO 17
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 18
- QC - Anions by EPA 300.0/9056A 19

Definitions and Notes 20

Chain of Custody etc. 21

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/24 14:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01- 0-3'	E411154-01A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW02- 0-3'	E411154-02A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW03- 0-2'	E411154-03A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW04- 0-2'	E411154-04A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW05- 0-2'	E411154-05A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW06- 0-2'	E411154-06A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW07- 0-2'	E411154-07A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW08- 0-2'	E411154-08A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW09- 0-2'	E411154-09A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW10- 0-2'	E411154-10A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SW11- 0-2'	E411154-11A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW01- 0-3'

E411154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/20/24	
Toluene	ND	0.0250	1	11/15/24	11/20/24	
o-Xylene	ND	0.0250	1	11/15/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	**38.6**	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**207**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW02- 0-3'

E411154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/20/24	
Toluene	ND	0.0250	1	11/15/24	11/20/24	
o-Xylene	ND	0.0250	1	11/15/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	**28.7**	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**123**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW03- 0-2'

E411154-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/20/24	
Toluene	ND	0.0250	1	11/15/24	11/20/24	
o-Xylene	ND	0.0250	1	11/15/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**182**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW04- 0-2'

E411154-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/20/24	
Toluene	ND	0.0250	1	11/15/24	11/20/24	
o-Xylene	ND	0.0250	1	11/15/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**384**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW05- 0-2'

E411154-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/20/24	
Toluene	ND	0.0250	1	11/15/24	11/20/24	
o-Xylene	ND	0.0250	1	11/15/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**543**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW06- 0-2'

E411154-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/20/24	
Toluene	ND	0.0250	1	11/15/24	11/20/24	
o-Xylene	ND	0.0250	1	11/15/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*11/15/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**25.3**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW07- 0-2'

E411154-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/21/24	
Toluene	ND	0.0250	1	11/15/24	11/21/24	
o-Xylene	ND	0.0250	1	11/15/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**30.7**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW08- 0-2'

E411154-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/21/24	
Toluene	ND	0.0250	1	11/15/24	11/21/24	
o-Xylene	ND	0.0250	1	11/15/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW09- 0-2'

E411154-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/21/24	
Toluene	ND	0.0250	1	11/15/24	11/21/24	
o-Xylene	ND	0.0250	1	11/15/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**238**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW10- 0-2'

E411154-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/21/24	
Toluene	ND	0.0250	1	11/15/24	11/21/24	
o-Xylene	ND	0.0250	1	11/15/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

SW11- 0-2'

E411154-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Benzene	ND	0.0250	1	11/15/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/21/24	
Toluene	ND	0.0250	1	11/15/24	11/21/24	
o-Xylene	ND	0.0250	1	11/15/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2446147
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*11/15/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446158
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/17/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*11/15/24*	*11/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447035
Chloride	**41.8**	20.0	1	11/19/24	11/19/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

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 (2446147-BLK1)									Prepared: 11/15/24 Analyzed: 11/19/24
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	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2446147-BS1)									Prepared: 11/15/24 Analyzed: 11/20/24
Benzene	5.37	0.0250	5.00		107	70-130			
Ethylbenzene	5.18	0.0250	5.00		104	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
LCS Dup (2446147-BSD1)									Prepared: 11/15/24 Analyzed: 11/19/24
Benzene	5.19	0.0250	5.00		104	70-130	3.38	20	
Ethylbenzene	4.98	0.0250	5.00		99.5	70-130	4.07	20	
Toluene	5.09	0.0250	5.00		102	70-130	3.91	20	
o-Xylene	4.99	0.0250	5.00		99.8	70-130	4.04	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	4.11	20	
Total Xylenes	15.1	0.0250	15.0		101	70-130	4.08	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2446147-BLK1)									Prepared: 11/15/24 Analyzed: 11/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.7*	*70-130*			
LCS (2446147-BS2)									Prepared: 11/15/24 Analyzed: 11/21/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			
LCS Dup (2446147-BSD2)									Prepared: 11/15/24 Analyzed: 11/20/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130	9.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446158-BLK1)									Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			
LCS (2446158-BS1)									Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*50-200*			
Matrix Spike (2446158-MS1)				**Source: E411152-04**					Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	*59.3*		*50.0*		*119*	*50-200*			
Matrix Spike Dup (2446158-MSD1)				**Source: E411152-04**					Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	1.30	20	
Surrogate: n-Nonane	*57.7*		*50.0*		*115*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 2:57:13PM

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 (2447035-BLK1)									Prepared: 11/19/24 Analyzed: 11/19/24
Chloride	ND	20.0							
LCS (2447035-BS1)									Prepared: 11/19/24 Analyzed: 11/19/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2447035-BSD1)									Prepared: 11/19/24 Analyzed: 11/19/24
Chloride	251	20.0	250		100	90-110	0.0965	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/24 14:57

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411154	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		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

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
1039	11/13/24	Soil	1	SW01-0-3'		1						X		
1120	↓	↓	↓	02 ↓ ↓		2						X		
1045				03-0-2'		3						X		
1048				04		4						X		
1124				05		5						X		
1053				06		6						X		
1055				07		7						X		
1057				08		8						X		
1100				+ 09		9						X		
1104	↓	↓	↓	10 ↓		10						X		

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/14/24	10:11	Michelle Gonzales	11-14-24	1011
Michelle Gonzales	11-14-24	1600	[signature]	11.14.24	1700
[signature]	11.14.24	2345	[signature]	11.15.24	0:30
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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 2 of 2

Client: Matador Production Company	**Bill To**
Project: Merchant 1 B	Attention: Ensolum LLC
Project Manager: Ashley Giovengo	Address: on file
Address: 3122 National Parks Hwy	City, State, Zip:
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Phone: 575-988-0055	Email: agiovengo@ensolum.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E411154	23103.0002				X		
							RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
1106	11/13/24	Soil	1	SW11 - 0-2'	11							X		

Analysis and Method

State: NM X | CO | UT | AZ | TX

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/14/24	10:01	Michelle Gonzales	11-14-24	1001
Michelle Gonzales	11-14-24	1600		11.14.24	1700
	11.14.24	2345		11.15.24	0630

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Envirotech Analytical Laboratory

Printed: 11/15/2024 8:56:02AM

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:	11/15/24 06:30	Work Order ID:	E411154
Phone:	(972) 371-5200	Date Logged In:	11/14/24 14:36	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/21/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411236
Job Number:	23003-0002
Received:	11/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/27/24

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

Date Reported: 11/27/24

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

Project Name: Merchant CTB
Workorder: E411236
Date Received: 11/22/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/22/2024 7:30:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS154-1’ 6

FS156-1’ 7

FS157-1’ 8

FS158-1’ 9

FS159-1’ 10

FS160-1’ 11

FS161-1’ 12

FS162-1’ 13

FS165-2’ 14

FS166-2’ 15

FS167-2’ 16

FS168-2’ 17

FS169-2’ 18

FS170-2’ 19

FS171-2’ 20

FS174-2’ 21

FS175-2’ 22

FS176-2’ 23

FS177-2’ 24

FS178-2’ 25

Table of Contents (continued)

FS153-1’ 26

QC Summary Data 27

QC - Volatile Organics by EPA 8021B 27

QC - Nonhalogenated Organics by EPA 8015D - GRO 29

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 31

QC - Anions by EPA 300.0/9056A 33

Definitions and Notes 35

Chain of Custody etc. 36

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/24 09:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS154-1'	E411236-01A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS156-1'	E411236-02A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS157-1'	E411236-03A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS158-1'	E411236-04A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS159-1'	E411236-05A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS160-1'	E411236-06A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS161-1'	E411236-07A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS162-1'	E411236-08A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS165-2'	E411236-09A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS166-2'	E411236-10A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS167-2'	E411236-11A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS168-2'	E411236-12A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS169-2'	E411236-13A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS170-2'	E411236-14A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS171-2'	E411236-15A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS174-2'	E411236-16A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS175-2'	E411236-17A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS176-2'	E411236-18A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS177-2'	E411236-19A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS178-2'	E411236-20A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.
FS153-1'	E411236-21A	Soil	11/20/24	11/22/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS154-1'

E411236-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.4 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	**32.4**	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	**431**	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS156-1'

E411236-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.6 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS157-1'

E411236-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS158-1'

E411236-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS159-1'

E411236-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS160-1'

E411236-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	**45.8**	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	**61.8**	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	**211**	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS161-1'

E411236-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.7 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	**69.6**	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	**122**	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	**108**	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS162-1'

E411236-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.0 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	**36.6**	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	**65.5**	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	**228**	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS165-2'

E411236-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.8 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS166-2'

E411236-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.4 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS167-2'

E411236-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.0 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS168-2'

E411236-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.4 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	**32.3**	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS169-2'

E411236-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*82.5 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS170-2'

E411236-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*82.8 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	**29.6**	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS171-2'

E411236-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.6 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS174-2'

E411236-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.3 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	**26.9**	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	**58.5**	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS175-2'

E411236-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS176-2'

E411236-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS177-2'

E411236-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*99.5 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	ND	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS178-2'

E411236-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447118
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/22/24	11/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/22/24	11/23/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/22/24*	*11/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447120
Chloride	**202**	20.0	1	11/22/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

FS153-1'

E411236-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447119
Benzene	ND	0.0250	1	11/22/24	11/23/24	
Ethylbenzene	ND	0.0250	1	11/22/24	11/23/24	
Toluene	ND	0.0250	1	11/22/24	11/23/24	
o-Xylene	ND	0.0250	1	11/22/24	11/23/24	
p,m-Xylene	ND	0.0500	1	11/22/24	11/23/24	
Total Xylenes	ND	0.0250	1	11/22/24	11/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447119
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/24	11/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*11/22/24*	*11/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447121
Diesel Range Organics (C10-C28)	**182**	25.0	1	11/22/24	11/22/24	
Oil Range Organics (C28-C36)	**65.6**	50.0	1	11/22/24	11/22/24	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*11/22/24*	*11/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447116
Chloride	**66.5**	20.0	1	11/22/24	11/22/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

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 (2447118-BLK1)									Prepared: 11/22/24 Analyzed: 11/25/24
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	*6.94*		*8.00*		*86.8*	*70-130*			
LCS (2447118-BS1)									Prepared: 11/22/24 Analyzed: 11/25/24
Benzene	5.41	0.0250	5.00		108	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.39	0.0250	5.00		108	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.80*		*8.00*		*85.0*	*70-130*			
LCS Dup (2447118-BSD1)									Prepared: 11/22/24 Analyzed: 11/25/24
Benzene	5.50	0.0250	5.00		110	70-130	1.70	20	
Ethylbenzene	5.31	0.0250	5.00		106	70-130	1.39	20	
Toluene	5.42	0.0250	5.00		108	70-130	0.589	20	
o-Xylene	5.29	0.0250	5.00		106	70-130	1.78	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	1.55	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.01*		*8.00*		*87.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

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 (2447119-BLK1)									Prepared: 11/22/24 Analyzed: 11/23/24
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	*6.89*		*8.00*		*86.2*	*70-130*			
LCS (2447119-BS1)									Prepared: 11/22/24 Analyzed: 11/23/24
Benzene	3.99	0.0250	5.00		79.7	70-130			
Ethylbenzene	3.87	0.0250	5.00		77.4	70-130			
Toluene	3.95	0.0250	5.00		79.0	70-130			
o-Xylene	3.85	0.0250	5.00		76.9	70-130			
p,m-Xylene	7.84	0.0500	10.0		78.4	70-130			
Total Xylenes	11.7	0.0250	15.0		77.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.93*		*8.00*		*86.6*	*70-130*			
LCS Dup (2447119-BSD1)									Prepared: 11/22/24 Analyzed: 11/23/24
Benzene	4.03	0.0250	5.00		80.5	70-130	1.04	20	
Ethylbenzene	3.92	0.0250	5.00		78.3	70-130	1.24	20	
Toluene	4.00	0.0250	5.00		80.0	70-130	1.23	20	
o-Xylene	3.89	0.0250	5.00		77.9	70-130	1.25	20	
p,m-Xylene	7.95	0.0500	10.0		79.5	70-130	1.39	20	
Total Xylenes	11.8	0.0250	15.0		79.0	70-130	1.34	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.93*		*8.00*		*86.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2447118-BLK1)									Prepared: 11/22/24 Analyzed: 11/25/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.3*	*70-130*			
LCS (2447118-BS2)									Prepared: 11/22/24 Analyzed: 11/24/24
Gasoline Range Organics (C6-C10)	42.2	20.0	50.0		84.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
LCS Dup (2447118-BSD2)									Prepared: 11/22/24 Analyzed: 11/24/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.6	70-130	10.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2447119-BLK1)									Prepared: 11/22/24 Analyzed: 11/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.11*		*8.00*		*88.9*	*70-130*			
LCS (2447119-BS2)									Prepared: 11/22/24 Analyzed: 11/23/24
Gasoline Range Organics (C6-C10)	35.4	20.0	50.0		70.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			
LCS Dup (2447119-BSD2)									Prepared: 11/22/24 Analyzed: 11/23/24
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.8	70-130	5.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447121-BLK1)									Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.3*		*50.0*		*90.6*	*50-200*			
LCS (2447121-BS1)									Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			
Matrix Spike (2447121-MS1)				**Source: E411238-02**					Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.5	38-132			
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2447121-MSD1)				**Source: E411238-02**					Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.2	38-132	2.34	20	
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447122-BLK1)									Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*50-200*			
LCS (2447122-BS1)									Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			
Matrix Spike (2447122-MS1)				**Source: E411236-12**					Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	291	25.0	250	32.3	103	38-132			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2447122-MSD1)				**Source: E411236-12**					Prepared: 11/22/24 Analyzed: 11/22/24
Diesel Range Organics (C10-C28)	315	25.0	250	32.3	113	38-132	8.11	20	
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447116-BLK1)									Prepared: 11/22/24 Analyzed: 11/22/24
Chloride	ND	20.0							
LCS (2447116-BS1)									Prepared: 11/22/24 Analyzed: 11/22/24
Chloride	247	20.0	250		99.0	90-110			
Matrix Spike (2447116-MS1)				**Source: E411232-02**					Prepared: 11/22/24 Analyzed: 11/22/24
Chloride	249	20.0	250	ND	99.4	80-120			
Matrix Spike Dup (2447116-MSD1)				**Source: E411232-02**					Prepared: 11/22/24 Analyzed: 11/22/24
Chloride	252	20.0	250	ND	101	80-120	1.55	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 9:59:21AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447120-BLK1)									Prepared: 11/22/24 Analyzed: 11/22/24
Chloride	ND	20.0							
LCS (2447120-BS1)									Prepared: 11/22/24 Analyzed: 11/22/24
Chloride	250	20.0	250		100	90-110			
LCS Dup (2447120-BSD1)									Prepared: 11/22/24 Analyzed: 11/22/24
Chloride	251	20.0	250		100	90-110	0.333	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/24 09:59

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411236	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 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

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	Remarks
10:39	11/20/2024	S	1	FS154 - 1'		1						X			
11:41	11/20/2024	S	1	FS156 - 1'		2						X			
13:05	11/20/2024	S	1	FS157 - 1'		3						X			
10:42	11/20/2024	S	1	FS158 - 1'		4						X			
10:43	11/20/2024	S	1	FS159 - 1'		5						X			
10:45	11/20/2024	S	1	FS160 - 1'		6						X			
10:46	11/20/2024	S	1	FS161 - 1'		7						X			
10:47	11/20/2024	S	1	FS162 - 1'		8						X			
BS ~~0.4514~~ 10:50	11/20/2024	S	1	FS165 - 2'		9						X			
BS ~~0.4521~~ 10:51	11/20/2024	S	1	FS166 -2'		10						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/21/24	7:10	Michelle Gonzales	11-21-24	0710
Michelle Gonzales	11-21-24	1545		11.21.24	1800
	11.21.24	2400	Caitlin Mars	11.22.24	7:30
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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

23003-0002 Cm

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412360	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 010	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

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				Remarks
10:52	11/20/2024	S	1	FS167 - 2'		11						X						
10:53	11/20/2024	S	1	FS168 - 2'		12						X						
10:53	11/20/2024	S	1	FS169 - 2'		13						X						
10:54	11/20/2024	S	1	FS170 -2'		14						X						
10:55	11/20/2024	S	1	FS171 - 2'		15						X						
10:56	11/20/2024	S	1	FS174 - 2'		16						X						
10:57	11/20/2024	S	1	FS175 - 2'		17						X						
10:58	11/20/2024	S	1	FS176 - 2'		18						X						
10:59	11/20/2024	S	1	FS177 - 2'		19						X						
13:52	11/20/2024	S	1	FS178 - 2'		20						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/21/24	7:10	Michelle Gonzales	11/21/24	0710
Michelle Gonzales	11-21-24	1545	[signature] H.	11.21.24	1800
[signature] H.	11.21.24	2400	Caitlin Mars	11.22.24	7:30
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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411236	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 25013.052C	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

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	Remarks
11:38	11/20/2024	S	1	FS153 - 1'		21						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/21/24	7:10	Michelle Gonzales	11-21-24	0710
Michelle Gonzales	11-21-24	1545		11.21.24	1800
	11.21.24	2400	Caitlin Mason	11.22.24	7:30
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

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: 11/22/2024 8:06:52AM

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:	11/22/24 07:30	Work Order ID:	E411236
Phone:	(972) 371-5200	Date Logged In:	11/21/24 14:35	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/28/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411266
Job Number:	23003-0002
Received:	11/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/27/24

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

Date Reported: 11/27/24

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

Project Name: Merchant CTB
Workorder: E411266
Date Received: 11/26/2024 7:00:35AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/26/2024 7:00:35AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS179 - 0’ 5

FS182 - 0’ 6

FS183 - 0’ 7

FS186 - 0’ 8

FS180 - 0’ 9

FS190 - 0’ 10

QC Summary Data 11

QC - Volatile Organics by EPA 8021B 11

QC - Nonhalogenated Organics by EPA 8015D - GRO 12

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13

QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/24 13:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS179 - 0'	E411266-01A	Soil	11/22/24	11/26/24	Glass Jar, 2 oz.
FS182 - 0'	E411266-02A	Soil	11/22/24	11/26/24	Glass Jar, 2 oz.
FS183 - 0'	E411266-03A	Soil	11/22/24	11/26/24	Glass Jar, 2 oz.
FS186 - 0'	E411266-04A	Soil	11/22/24	11/26/24	Glass Jar, 2 oz.
FS180 - 0'	E411266-05A	Soil	11/22/24	11/26/24	Glass Jar, 2 oz.
FS190 - 0'	E411266-06A	Soil	11/22/24	11/26/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

FS179 - 0'

E411266-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Benzene	ND	0.0250	1	11/26/24	11/27/24	
Ethylbenzene	ND	0.0250	1	11/26/24	11/27/24	
Toluene	ND	0.0250	1	11/26/24	11/27/24	
o-Xylene	ND	0.0250	1	11/26/24	11/27/24	
p,m-Xylene	ND	0.0500	1	11/26/24	11/27/24	
Total Xylenes	ND	0.0250	1	11/26/24	11/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/26/24	11/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2448035
Diesel Range Organics (C10-C28)	ND	25.0	1	11/26/24	11/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/26/24	11/26/24	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*11/26/24*	*11/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2448029
Chloride	**142**	20.0	1	11/26/24	11/26/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

FS182 - 0'

E411266-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Benzene	ND	0.0250	1	11/26/24	11/27/24	
Ethylbenzene	ND	0.0250	1	11/26/24	11/27/24	
Toluene	ND	0.0250	1	11/26/24	11/27/24	
o-Xylene	ND	0.0250	1	11/26/24	11/27/24	
p,m-Xylene	ND	0.0500	1	11/26/24	11/27/24	
Total Xylenes	ND	0.0250	1	11/26/24	11/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/26/24	11/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2448035
Diesel Range Organics (C10-C28)	**61.0**	25.0	1	11/26/24	11/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/26/24	11/26/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/26/24*	*11/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2448029
Chloride	**140**	20.0	1	11/26/24	11/26/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

FS183 - 0'

E411266-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Benzene	ND	0.0250	1	11/26/24	11/27/24	
Ethylbenzene	ND	0.0250	1	11/26/24	11/27/24	
Toluene	ND	0.0250	1	11/26/24	11/27/24	
o-Xylene	ND	0.0250	1	11/26/24	11/27/24	
p,m-Xylene	ND	0.0500	1	11/26/24	11/27/24	
Total Xylenes	ND	0.0250	1	11/26/24	11/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/26/24	11/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2448035
Diesel Range Organics (C10-C28)	**97.7**	25.0	1	11/26/24	11/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/26/24	11/27/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/26/24*	*11/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2448029
Chloride	**1340**	20.0	1	11/26/24	11/26/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

FS186 - 0'

E411266-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Benzene	ND	0.0250	1	11/26/24	11/27/24	
Ethylbenzene	ND	0.0250	1	11/26/24	11/27/24	
Toluene	ND	0.0250	1	11/26/24	11/27/24	
o-Xylene	ND	0.0250	1	11/26/24	11/27/24	
p,m-Xylene	ND	0.0500	1	11/26/24	11/27/24	
Total Xylenes	ND	0.0250	1	11/26/24	11/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/26/24	11/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2448035
Diesel Range Organics (C10-C28)	ND	25.0	1	11/26/24	11/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/26/24	11/27/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/26/24*	*11/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2448029
Chloride	**64.9**	20.0	1	11/26/24	11/26/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

FS180 - 0'

E411266-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Benzene	ND	0.0250	1	11/26/24	11/27/24	
Ethylbenzene	ND	0.0250	1	11/26/24	11/27/24	
Toluene	ND	0.0250	1	11/26/24	11/27/24	
o-Xylene	ND	0.0250	1	11/26/24	11/27/24	
p,m-Xylene	ND	0.0500	1	11/26/24	11/27/24	
Total Xylenes	ND	0.0250	1	11/26/24	11/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/26/24	11/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2448035
Diesel Range Organics (C10-C28)	**177**	25.0	1	11/26/24	11/27/24	
Oil Range Organics (C28-C36)	**85.4**	50.0	1	11/26/24	11/27/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*11/26/24*	*11/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2448029
Chloride	**452**	20.0	1	11/26/24	11/26/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

FS190 - 0'

E411266-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Benzene	ND	0.0250	1	11/26/24	11/27/24	
Ethylbenzene	ND	0.0250	1	11/26/24	11/27/24	
Toluene	ND	0.0250	1	11/26/24	11/27/24	
o-Xylene	ND	0.0250	1	11/26/24	11/27/24	
p,m-Xylene	ND	0.0500	1	11/26/24	11/27/24	
Total Xylenes	ND	0.0250	1	11/26/24	11/27/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2448040
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/26/24	11/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*11/26/24*	*11/27/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2448035
Diesel Range Organics (C10-C28)	**155**	25.0	1	11/26/24	11/27/24	
Oil Range Organics (C28-C36)	**139**	50.0	1	11/26/24	11/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/26/24*	*11/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2448029
Chloride	**111**	20.0	1	11/26/24	11/26/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

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 (2448040-BLK1)									Prepared: 11/26/24 Analyzed: 11/26/24
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	*7.81*		*8.00*		*97.7*	*70-130*			
LCS (2448040-BS1)									Prepared: 11/26/24 Analyzed: 11/27/24
Benzene	5.31	0.0250	5.00		106	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
LCS Dup (2448040-BSD1)									Prepared: 11/26/24 Analyzed: 11/27/24
Benzene	5.52	0.0250	5.00		110	70-130	3.84	20	
Ethylbenzene	5.30	0.0250	5.00		106	70-130	4.26	20	
Toluene	5.42	0.0250	5.00		108	70-130	4.01	20	
o-Xylene	5.32	0.0250	5.00		106	70-130	3.98	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	4.15	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	4.10	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2448040-BLK1)									Prepared: 11/26/24 Analyzed: 11/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			
LCS (2448040-BS2)									Prepared: 11/26/24 Analyzed: 11/27/24
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		*8.00*		*90.2*	*70-130*			
LCS Dup (2448040-BSD2)									Prepared: 11/26/24 Analyzed: 11/27/24
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130	0.701	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2448035-BLK1)									Prepared: 11/26/24 Analyzed: 11/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*60.4*		*50.0*		*121*	*50-200*			
LCS (2448035-BS1)									Prepared: 11/26/24 Analyzed: 11/26/24
Diesel Range Organics (C10-C28)	286	25.0	250		114	38-132			
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
Matrix Spike (2448035-MS1)				**Source: E411266-05**					Prepared: 11/26/24 Analyzed: 11/26/24
Diesel Range Organics (C10-C28)	472	25.0	250	177	118	38-132			
Surrogate: n-Nonane	*58.4*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2448035-MSD1)				**Source: E411266-05**					Prepared: 11/26/24 Analyzed: 11/26/24
Diesel Range Organics (C10-C28)	486	25.0	250	177	124	38-132	2.93	20	
Surrogate: n-Nonane	*59.4*		*50.0*		*119*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/2024 1:47:13PM

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 (2448029-BLK1)									Prepared: 11/26/24 Analyzed: 11/26/24
Chloride	ND	20.0							
LCS (2448029-BS1)									Prepared: 11/26/24 Analyzed: 11/26/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2448029-BSD1)									Prepared: 11/26/24 Analyzed: 11/26/24
Chloride	254	20.0	250		102	90-110	0.104	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/27/24 13:47

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:30 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 1 of 1

Client: Matador Production Company	
Project: Merchant CTB	
Project Manager: Ashley Giovengo	
Address: 3122 National Parks Hwy	
City, State, Zip: Carlsbad NM, 88220	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	
Report due by:	

Bill To

Attention: Ensolum LLC	
Address: on file	
City, State, Zip:	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E411266	23003.0002				X		
							RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM		GDOC TX		Remarks
1208	11/22/24	soil	1	FS179-0'	1							X				
1217				182	2							X				
1220				183	3							X				
1225				184	4							X				
1343				180	5							X				
1901				190	6							X				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/25/24	7:01	Michelle Gonzales	11-25-24	0701
Michelle Gonzales	11-25-24	1720	[signature]	11.25.24	1750
[signature]	11.25.24	2400	Caitlin Mason	11.26.24	7:00

Lab Use Only
Received on ice: (Y)/ N
T1 T2 T3
AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 11/26/2024 1:24:30PM

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:	11/26/24 07:00	Work Order ID:	E411266
Phone:	(972) 371-5200	Date Logged In:	11/26/24 07:46	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/04/24 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	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Sampled by not provided on COC.

Client Instruction

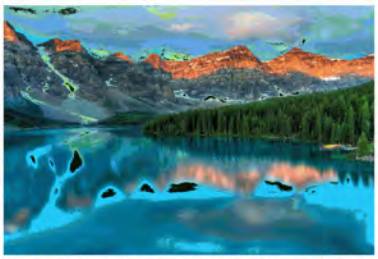
Signature of client authorizing changes to the COC or sample disposition.

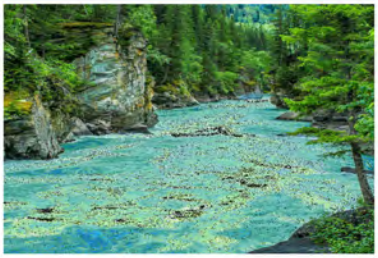
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E411289
Job Number:	23003-0002
Received:	11/27/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/6/25

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

Date Reported: 1/6/25

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

Project Name: Merchant CTB
Workorder: E411289
Date Received: 11/27/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/27/2024 6:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS 194 @ 0’ 6

FS 196 @ 0.5’ 7

FS 199 @ 5’ 8

FS 200 @ 5’ 9

FS 201 @ 5’ 10

FS 172 @ 2.5’ 11

FS 173 @ 2.5’ 12

FS 202 @ 5’ 13

FS 203 @ 5’ 14

FS 204 @ 5’ 15

FS 181 @ 0.5’ 16

FS 184 @ 0.5’ 17

FS 185 @ 0.5’ 18

FS 187 @ 0.5’ 19

FS 188 @ 0.5’ 20

FS 191 @ 0.5’ 21

FS 192 @ 0.5’ 22

FS 193 @ 0.5’ 23

FS 195 @ 0.5’ 24

FS 197 @ 0.5’ 25

Table of Contents (continued)

FS 198 @ 0.5’ 26

QC Summary Data 27

QC - Volatile Organics by EPA 8021B 27

QC - Nonhalogenated Organics by EPA 8015D - GRO 29

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 31

QC - Anions by EPA 300.0/9056A 33

Definitions and Notes 35

Chain of Custody etc. 36

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/06/25 09:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 194 @ 0'	E411289-01A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 196 @ 0.5'	E411289-02A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 199 @ 5'	E411289-03A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 200 @ 5'	E411289-04A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 201 @ 5'	E411289-05A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 172 @ 2.5'	E411289-06A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 173 @ 2.5'	E411289-07A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 202 @ 5'	E411289-08A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 203 @ 5'	E411289-09A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 204 @ 5'	E411289-10A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 181 @ 0.5'	E411289-11A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 184 @ 0.5'	E411289-12A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 185 @ 0.5'	E411289-13A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 187 @ 0.5'	E411289-14A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 188 @ 0.5'	E411289-15A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 191 @ 0.5'	E411289-16A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 192 @ 0.5'	E411289-17A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 193 @ 0.5'	E411289-18A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 195 @ 0.5'	E411289-19A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 197 @ 0.5'	E411289-20A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.
FS 198 @ 0.5'	E411289-21A	Soil	11/25/24	11/27/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 194 @ 0'

E411289-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**115**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**217**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**262**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 196 @ 0.5'

E411289-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**80.1**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**114**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**235**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 199 @ 5'

E411289-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.3 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/02/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/27/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	ND	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 200 @ 5'

E411289-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**409**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**575**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	ND	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 201 @ 5'

E411289-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.0 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/02/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/27/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	ND	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 172 @ 2.5'

E411289-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**66.1**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 173 @ 2.5'

E411289-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	ND	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 202 @ 5'

E411289-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**71.4**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**124**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**534**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 203 @ 5'

E411289-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/02/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/02/24	
Toluene	ND	0.0250	1	11/27/24	12/02/24	
o-Xylene	ND	0.0250	1	11/27/24	12/02/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/02/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/02/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*11/27/24*	*12/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**92.0**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 204 @ 5'

E411289-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	ND	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 181 @ 0.5'

E411289-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.1 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**20.5**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 184 @ 0.5'

E411289-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.3 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**201**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 185 @ 0.5'

E411289-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**63.5**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**164**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 187 @ 0.5'

E411289-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**87.5**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**62.0**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**250**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 188 @ 0.5'

E411289-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.6 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**111**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**138**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**214**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 191 @ 0.5'

E411289-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**27.0**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**35.3**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 192 @ 0.5'

E411289-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.4 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**182**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**165**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**91.8**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 193 @ 0.5'

E411289-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.8 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	ND	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 195 @ 0.5'

E411289-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.1 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	**132**	25.0	1	11/27/24	12/05/24	
Oil Range Organics (C28-C36)	**153**	50.0	1	11/27/24	12/05/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*11/27/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**213**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 197 @ 0.5'

E411289-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Benzene	ND	0.0250	1	11/27/24	12/03/24	
Ethylbenzene	ND	0.0250	1	11/27/24	12/03/24	
Toluene	ND	0.0250	1	11/27/24	12/03/24	
o-Xylene	ND	0.0250	1	11/27/24	12/03/24	
p,m-Xylene	ND	0.0500	1	11/27/24	12/03/24	
Total Xylenes	ND	0.0250	1	11/27/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.6 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448068
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*11/27/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2448067
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/24	12/03/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*11/27/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448079
Chloride	**206**	20.0	1	11/27/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

FS 198 @ 0.5'

E411289-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2448070
Benzene	ND	0.0250	1	11/27/24	11/28/24	
Ethylbenzene	ND	0.0250	1	11/27/24	11/28/24	
Toluene	ND	0.0250	1	11/27/24	11/28/24	
o-Xylene	ND	0.0250	1	11/27/24	11/28/24	
p,m-Xylene	ND	0.0500	1	11/27/24	11/28/24	
Total Xylenes	ND	0.0250	1	11/27/24	11/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.8 %*	*70-130*	*11/27/24*	*11/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2448070
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/24	11/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*11/27/24*	*11/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2448064
Diesel Range Organics (C10-C28)	**58.1**	25.0	1	11/27/24	11/27/24	
Oil Range Organics (C28-C36)	**57.3**	50.0	1	11/27/24	11/27/24	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*11/27/24*	*11/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2448074
Chloride	**39.8**	20.0	1	11/27/24	12/04/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

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 (2448068-BLK1)									Prepared: 11/27/24 Analyzed: 12/02/24
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	*6.66*		*8.00*		*83.3*	*70-130*			
LCS (2448068-BS1)									Prepared: 11/27/24 Analyzed: 12/02/24
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130			
Toluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	4.80	0.0250	5.00		96.0	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
Total Xylenes	14.6	0.0250	15.0		97.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.76*		*8.00*		*84.5*	*70-130*			
LCS Dup (2448068-BSD1)									Prepared: 11/27/24 Analyzed: 12/02/24
Benzene	4.80	0.0250	5.00		96.1	70-130	4.92	20	
Ethylbenzene	4.64	0.0250	5.00		92.8	70-130	4.44	20	
Toluene	4.74	0.0250	5.00		94.8	70-130	4.61	20	
o-Xylene	4.62	0.0250	5.00		92.4	70-130	3.89	20	
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130	4.31	20	
Total Xylenes	14.0	0.0250	15.0		93.6	70-130	4.17	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.82*		*8.00*		*85.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

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 (2448070-BLK1)									Prepared: 11/27/24 Analyzed: 11/27/24
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	*6.90*		*8.00*		*86.3*	*70-130*			
LCS (2448070-BS1)									Prepared: 11/27/24 Analyzed: 11/27/24
Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.7	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.82	0.0250	5.00		96.5	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.99*		*8.00*		*87.3*	*70-130*			
LCS Dup (2448070-BSD1)									Prepared: 11/27/24 Analyzed: 11/27/24
Benzene	5.27	0.0250	5.00		105	70-130	4.05	20	
Ethylbenzene	5.04	0.0250	5.00		101	70-130	4.24	20	
Toluene	5.17	0.0250	5.00		103	70-130	4.19	20	
o-Xylene	5.03	0.0250	5.00		101	70-130	4.21	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	4.18	20	
Total Xylenes	15.3	0.0250	15.0		102	70-130	4.19	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.89*		*8.00*		*86.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2448068-BLK1)									Prepared: 11/27/24 Analyzed: 12/02/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			
LCS (2448068-BS2)									Prepared: 11/27/24 Analyzed: 12/02/24
Gasoline Range Organics (C6-C10)	38.5	20.0	50.0		77.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS Dup (2448068-BSD2)									Prepared: 11/27/24 Analyzed: 12/02/24
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130	9.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2448070-BLK1)									Prepared: 11/27/24 Analyzed: 11/27/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.6*	*70-130*			
LCS (2448070-BS2)									Prepared: 11/27/24 Analyzed: 11/28/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS Dup (2448070-BSD2)									Prepared: 11/27/24 Analyzed: 11/28/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130	0.326	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2448064-BLK1)									Prepared: 11/27/24 Analyzed: 11/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			
LCS (2448064-BS1)									Prepared: 11/27/24 Analyzed: 11/27/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	*49.1*		*50.0*		*98.2*	*50-200*			
LCS Dup (2448064-BSD1)									Prepared: 11/27/24 Analyzed: 11/27/24
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132	2.27	20	
Surrogate: n-Nonane	*47.8*		*50.0*		*95.6*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2448067-BLK1)									Prepared: 11/27/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*50-200*			
LCS (2448067-BS1)									Prepared: 11/27/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	281	25.0	250		112	38-132			
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*50-200*			
Matrix Spike (2448067-MS1)				**Source: E411289-14**					Prepared: 11/27/24 Analyzed: 12/05/24
Diesel Range Organics (C10-C28)	398	25.0	250	87.5	124	38-132			
Surrogate: n-Nonane	*60.1*		*50.0*		*120*	*50-200*			
Matrix Spike Dup (2448067-MSD1)				**Source: E411289-14**					Prepared: 11/27/24 Analyzed: 12/05/24
Diesel Range Organics (C10-C28)	403	25.0	250	87.5	126	38-132	1.23	20	
Surrogate: n-Nonane	*64.0*		*50.0*		*128*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

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 (2448074-BLK1)									Prepared: 11/27/24 Analyzed: 12/02/24
Chloride	ND	20.0							
LCS (2448074-BS1)									Prepared: 11/27/24 Analyzed: 12/02/24
Chloride	254	20.0	250		101	90-110			
LCS Dup (2448074-BSD1)									Prepared: 11/27/24 Analyzed: 12/02/24
Chloride	255	20.0	250		102	90-110	0.332	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/6/2025 9:11:26AM

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 (2448079-BLK1)									Prepared: 11/27/24 Analyzed: 12/02/24
Chloride	ND	20.0							
LCS (2448079-BS1)									Prepared: 11/27/24 Analyzed: 12/02/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2448079-BSD1)									Prepared: 11/27/24 Analyzed: 12/02/24
Chloride	257	20.0	250		103	90-110	0.0502	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/06/25 09:11

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411289	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.002	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

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				Remarks
1235	11/25/2024	S	1	FS 194 @ 0'		1						X						
1238	11/25/2024	S	1	FS 196 @ 1'		2						X						
1241	11/25/2024	S	1	FS 199 @ 5'		3						X						
1242	11/25/2024	S	1	FS 200 @ 5'		4						X						
1243	11/25/2024	S	1	FS 201 @ 5'		5						X						
1322	11/25/2024	S	1	FS 172 @ 2.5'		6						X						
1323	11/25/2024	S	1	FS 173 @ 2.5'		7						X						
1251	11/25/2024	S	1	FS 202 @ 5'		8						X						
1252	11/25/2024	S	1	FS 203 @ 5'		9						X						
1253	11/25/2024	S	1	FS 204 @ 5'		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@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: Higinio Gonzalez, Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-26-24	0800	Michelle Gonzales	11-26-24	0800
Michelle Gonzales	11.26.24	1630		11.26.24	1730
	11.26.24	2400	Cath Mann	11.27.24	10:00
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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411289	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23C03.0002	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

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				Remarks
1330	11/25/2024	S	1	FS181 @ 6"		11						X						
1331	11/25/2024	S	1	FS184 @ 6"		12						X						
1333	11/25/2024	S	1	FS185 @ 6"		13						X						
1339	11/25/2024	S	1	FS187 @ 6"		14						X						
1337	11/25/2024	S	1	FS188 @ 6"		15						X						
1403 ~~1354~~ 1404	11/25/2024	S	1	FS191 @ 6"		16						X						
1405	11/25/2024	S	1	FS192 @ 6"		17						X						
1406	11/25/2024	S	1	FS193 @ 6"		18						X						
1408	11/25/2024	S	1	FS195 @ 6"		19						X						
1410	11/25/2024	S	1	FS197 @ 6"		20						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@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: Higinio Gonzalez, Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-26-24	0800	Michelle Gonzales	11-26-24	0800
Michelle Gonzales	11-26-24	1630		11.26.24	1730
	11.26.24	2400	Caitlin Mason	11.27.24	06:00

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 4 T3

AVG Temp °C

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411289	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23103.0002	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

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				Remarks
1412	11/25/2024	S	1	FS198 @ 6"		21						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@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: Higinio Gonzalez, Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-26-24	0800	Michelle Gonzales	11.26.24	0800
Michelle Gonzales	11-26-24	1630		11.26.24	1730
	11.26.24	2400	Caitlin Mason	11.27.24	6:00
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

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: 11/27/2024 10:52:16AM

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:	11/27/24 06:00	Work Order ID:	E411289
Phone:	(972) 371-5200	Date Logged In:	11/26/24 17:36	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/05/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411289	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23008.002	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				

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

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	Remarks
1235	11/25/2024	S	1	FS194 @ 0'		1						X			Corrected
1238	11/25/2024	S	1	FS196 @ + 0.5'		2						X			Sample
1241	11/25/2024	S	1	FS199 @ 5'		3						X			depths for
1242	11/25/2024	S	1	FS200 @ 5'		4						X			Samples
1243	11/25/2024	S	1	FS201 @ 5'		5						X			# 11 - 21.
1322	11/25/2024	S	1	FS172 @ 2.5'		6						X			Per Chad.
1323	11/25/2024	S	1	FS173 @ 2.5'		7						X			12/6/24
1251	11/25/2024	S	1	FS202 @ 5'		8						X			CM
1252	11/25/2024	S	1	FS203 @ 5'		9						X			Changed sample
1253	11/25/2024	S	1	FS204 @ 5'		10						X			depth sample #2. NS 1/6/25

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@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: Higinio Gonzalez, Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-26-24	0800	Michelle Gonzales	11-26-24	0800
Michelle Gonzales	11.26.24	1630		11.26.24	1730
	11.26.24	2400		11.27.24	10:00

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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411289	Job Number 23003.0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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				

Analysis and Method / **EPA Program**: SDWA | CWA | RCRA; Compliance Y or N; PWSID #

Sample Information

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	Remarks
1330	11/25/2024	S	1	FS181 @ 6" 0.5'		11						X			
1331	11/25/2024	S	1	FS184 @ 6" 0.5'		12						X			
1333	11/25/2024	S	1	FS185 @ 6" 0.5'		13						X			
1339	11/25/2024	S	1	FS187 @ 6" 0.5'		14						X			
1337	11/25/2024	S	1	FS188 @ 6" 0.5'		15						X			
1403 1354 1410	11/25/2024	S	1	FS191 @ 6" 0.5'		16						X			
1405	11/25/2024	S	1	FS192 @ 6" 0.5'		17						X			
1406	11/25/2024	S	1	FS193 @ 6" 0.5'		18						X			
1408	11/25/2024	S	1	FS195 @ 6" 0.5'		19						X			
1410	11/25/2024	S	1	FS197 @ 6" 0.5'		20						X			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@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: Higinio Gonzalez, Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-26-24	0800	Michelle Gonzales	11.26.24	0800
Michelle Gonzales	11-26-24	1630		11.26.24	1730
	11.26.24	2400	Cauthe Mar	11.27.24	06:00

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 4 T3 _____

AVG Temp °C _____

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411289	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23C03-0002	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

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				Remarks
1412	11/25/2024	S	1	FS198 @ 6" 0.5'		21						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@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: Higinio Gonzalez, Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-26-24	0800	Michelle Gonzales	11.26.24	0800
Michelle Gonzales	11-26-24	1630		11.26.24	1730
	11.26.24	2400	Caitlin Mason	11.27.24	6:00
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

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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Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412001
Job Number:	23003-0002
Received:	12/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/6/24

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

Date Reported: 12/6/24

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

Project Name: Merchant CTB
Workorder: E412001
Date Received: 12/2/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2024 8:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS205-5’ 6

FS206-4’ 7

FS207-4’ 8

FS208-4’ 9

FS209-4’ 10

FS210-4’ 11

FS211-4’ 12

FS212-4’ 13

FS217-2’ 14

FS219-4’ 15

FS220-4’ 16

FS221-4’ 17

FS222-4’ 18

FS223-4’ 19

FS224-4’ 20

FS227-4’ 21

FS228-4’ 22

FS229-4’ 23

FS230-4’ 24

FS231-2’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/06/24 10:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS205-5'	E412001-01A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS206-4'	E412001-02A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS207-4'	E412001-03A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS208-4'	E412001-04A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS209-4'	E412001-05A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS210-4'	E412001-06A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS211-4'	E412001-07A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS212-4'	E412001-08A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS217-2'	E412001-09A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS219-4'	E412001-10A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS220-4'	E412001-11A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS221-4'	E412001-12A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS222-4'	E412001-13A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS223-4'	E412001-14A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS224-4'	E412001-15A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS227-4'	E412001-16A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS228-4'	E412001-17A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS229-4'	E412001-18A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS230-4'	E412001-19A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS231-2'	E412001-20A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS205-5'

E412001-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**54.2**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS206-4'

E412001-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**63.7**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS207-4'

E412001-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**94.0**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS208-4'

E412001-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**210**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS209-4'

E412001-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**184**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS210-4'

E412001-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**46.2**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS211-4'

E412001-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**320**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS212-4'

E412001-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**307**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS217-2'

E412001-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**85.3**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS219-4'

E412001-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**33.9**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS220-4'

E412001-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**87.9**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS221-4'

E412001-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**296**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS222-4'

E412001-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**71.8**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS223-4'

E412001-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/04/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/02/24*	*12/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	ND	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS224-4'

E412001-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	ND	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS227-4'

E412001-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	**30.2**	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS228-4'

E412001-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	ND	20.0	1	12/02/24	12/05/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS229-4'

E412001-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	ND	20.0	1	12/02/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS230-4'

E412001-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	ND	20.0	1	12/02/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

FS231-2'

E412001-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Benzene	ND	0.0250	1	12/02/24	12/03/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/03/24	
Toluene	ND	0.0250	1	12/02/24	12/03/24	
o-Xylene	ND	0.0250	1	12/02/24	12/03/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/03/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/03/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*12/02/24*	*12/03/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449006
Chloride	ND	20.0	1	12/02/24	12/06/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

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 (2449008-BLK1)						Prepared: 12/02/24 Analyzed: 12/02/24			
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	*7.72*		*8.00*		*96.4*	*70-130*			
LCS (2449008-BS1)						Prepared: 12/02/24 Analyzed: 12/02/24			
Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.81	0.0250	5.00		96.3	70-130			
o-Xylene	4.71	0.0250	5.00		94.2	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			
LCS Dup (2449008-BSD1)						Prepared: 12/02/24 Analyzed: 12/02/24			
Benzene	5.24	0.0250	5.00		105	70-130	7.40	20	
Ethylbenzene	5.11	0.0250	5.00		102	70-130	8.21	20	
Toluene	5.20	0.0250	5.00		104	70-130	7.79	20	
o-Xylene	5.12	0.0250	5.00		102	70-130	8.26	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	8.30	20	
Total Xylenes	15.5	0.0250	15.0		104	70-130	8.29	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2449008-BLK1)									Prepared: 12/02/24 Analyzed: 12/02/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.3*	*70-130*			
LCS (2449008-BS2)									Prepared: 12/02/24 Analyzed: 12/02/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS Dup (2449008-BSD2)									Prepared: 12/02/24 Analyzed: 12/02/24
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.6	70-130	5.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.36*		*8.00*		*92.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449013-BLK1)									Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.5*		*50.0*		*115*	*50-200*			
LCS (2449013-BS1)									Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			
Matrix Spike (2449013-MS1)				**Source: E412001-13**					Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2449013-MSD1)				**Source: E412001-13**					Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	5.99	20	
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 10:17:34AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449006-BLK1)									Prepared: 12/02/24 Analyzed: 12/05/24
Chloride	ND	20.0							
LCS (2449006-BS1)									Prepared: 12/02/24 Analyzed: 12/05/24
Chloride	252	20.0	250		101	90-110			
LCS Dup (2449006-BSD1)									Prepared: 12/02/24 Analyzed: 12/05/24
Chloride	252	20.0	250		101	90-110	0.205	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/06/24 10:17

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 1 of 4

Client: Matador Production Company	
Project: Meriwhant CTB	
Project Manager: Ashley Giovengo	
Address: 3122 National Parks Hwy	
City, State, Zip: Carlsbad NM, 88220	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	
Report due by:	

Bill To

Attention: Ensolum LLC	
Address: on file	
City, State, Zip:	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	

Lab Use Only: Lab WO# E412001 | Job Number 23003-0002

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
904	11/24/24	soil	1	FS205-5'	1							X		
906	"	"	"	206-4	2							X		
908	"	"	"	207	3							X		
909	"	"	"	208	4							X		
910	"	"	"	209	5							X		
911	"	"	"	210	6							X		
915	"	"	"	211	7							X		
916	"	"	"	212	8							X		
940	"	"	"	217-2'	9							X		
943	"	"	"	219-4'	10							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
I. Estrella	11/27/24	8:03	Michelle Gonzales	11-27-24	0803
Michelle Gonzales	11-27-24	1730		11.27.24	1730
	11.27.24	2200	Noe Soto	12-2-24	0800

Lab Use Only — Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Page 533 of 983

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 2 of 4

Client: Matador Production Company	**Bill To**
Project: Merchant GB	Attention: Ensolum LLC
Project Manager: Ashley Giovengo	Address: on file
Address: 3122 National Parks Hwy	City, State, Zip:
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Phone: 575-988-0055	Email: agiovengo@ensolum.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E412001	23003-0002				X		
							RCRA

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
946	11/24/24	Soil	1	FS 220-4'	11							X		
947				221	12							X		
948				222	13							X		
948				223	14							X		
953				224	15							X		
1000				227	16							X		
1001				228	17							X		
1003				229	18							X		
1010				230	19							X		
1011				231-2'	20							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/27/24	8:03	Michelle Gonzales	11-27-24	0803
Michelle Gonzales	11-27-24	1730		11.27.24	1730
	11.27.24	2200	Noe Soto	12-2-24	0800

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

envirotech

Envirotech Analytical Laboratory

Printed: 12/2/2024 11:39:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/02/24 08:00	Work Order ID:	E412001
Phone:	(972) 371-5200	Date Logged In:	12/02/24 08:55	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/06/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Visible whiteout on COC by client. Project Merchant CTB has been separated into into 2 WOs due to high sample volume, WOs are E412001-E412002.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412002
Job Number:	23003-0002
Received:	12/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/5/24

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

Date Reported: 12/5/24

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

Project Name: Merchant CTB
Workorder: E412002
Date Received: 12/2/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2024 8:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS232-1’ 6

FS233-1’ 7

FS234-1’ 8

FS235-1’ 9

FS236-1’ 10

FS237-1’ 11

FS238-1’ 12

FS239-1’ 13

FS240-1’ 14

FS241-1’ 15

FS242-1’ 16

FS243-1’ 17

FS244-1’ 18

FS213-4’ 19

FS214-4’ 20

FS215-4’ 21

FS216-4’ 22

FS218-4’ 23

FS225-4’ 24

FS226-4’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/05/24 14:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS232-1'	E412002-01A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS233-1'	E412002-02A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS234-1'	E412002-03A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS235-1'	E412002-04A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS236-1'	E412002-05A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS237-1'	E412002-06A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS238-1'	E412002-07A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS239-1'	E412002-08A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS240-1'	E412002-09A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS241-1'	E412002-10A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS242-1'	E412002-11A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS243-1'	E412002-12A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS244-1'	E412002-13A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS213-4'	E412002-14A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS214-4'	E412002-15A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS215-4'	E412002-16A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS216-4'	E412002-17A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS218-4'	E412002-18A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS225-4'	E412002-19A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.
FS226-4'	E412002-20A	Soil	11/26/24	12/02/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS232-1'

E412002-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS233-1'

E412002-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	**42.0**	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS234-1'

E412002-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS235-1'

E412002-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS236-1'

E412002-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS237-1'

E412002-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS238-1'

E412002-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*98.2 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	**32.8**	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS239-1'

E412002-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS240-1'

E412002-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS241-1'

E412002-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS242-1'

E412002-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*99.7 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS243-1'

E412002-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	**184**	20.0	1	12/02/24	12/02/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS244-1'

E412002-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/02/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/24*	*12/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	**57.2**	20.0	1	12/02/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS213-4'

E412002-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	**43.2**	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	**76.3**	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	**212**	20.0	1	12/02/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS214-4'

E412002-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*93.7 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	**91.2**	20.0	1	12/02/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS215-4'

E412002-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	**54.6**	20.0	1	12/02/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS216-4'

E412002-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS218-4'

E412002-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS225-4'

E412002-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

FS226-4'

E412002-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449029
Chloride	ND	20.0	1	12/02/24	12/03/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

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 (2449009-BLK1)									Prepared: 12/02/24 Analyzed: 12/03/24
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*		*97.8*	*70-130*			
LCS (2449009-BS1)									Prepared: 12/02/24 Analyzed: 12/03/24
Benzene	5.33	0.0250	5.00		107	70-130			
Ethylbenzene	5.23	0.0250	5.00		105	70-130			
Toluene	5.32	0.0250	5.00		106	70-130			
o-Xylene	5.24	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.1*	*70-130*			
LCS Dup (2449009-BSD1)									Prepared: 12/02/24 Analyzed: 12/03/24
Benzene	4.75	0.0250	5.00		95.0	70-130	11.4	20	
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	11.6	20	
Toluene	4.74	0.0250	5.00		94.8	70-130	11.5	20	
o-Xylene	4.67	0.0250	5.00		93.4	70-130	11.6	20	
p,m-Xylene	9.50	0.0500	10.0		95.0	70-130	11.6	20	
Total Xylenes	14.2	0.0250	15.0		94.5	70-130	11.6	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2449009-BLK1)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.2*	*70-130*			
LCS (2449009-BS2)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
LCS Dup (2449009-BSD2)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.7	70-130	0.478	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449014-BLK1)									Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*50-200*			
LCS (2449014-BS1)									Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	256	25.0	250		103	38-132			
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			
Matrix Spike (2449014-MS1)				**Source: E412002-12**					Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2449014-MSD1)				**Source: E412002-12**					Prepared: 12/02/24 Analyzed: 12/02/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	6.37	20	
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/5/2024 2:26:41PM

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 (2449029-BLK1)									Prepared: 12/02/24 Analyzed: 12/02/24
Chloride	ND	20.0							
LCS (2449029-BS1)									Prepared: 12/02/24 Analyzed: 12/02/24
Chloride	258	20.0	250		103	90-110			
LCS Dup (2449029-BSD1)									Prepared: 12/02/24 Analyzed: 12/02/24
Chloride	258	20.0	250		103	90-110	0.116	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/05/24 14:26

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 3 of 4

Client: Matador Production Company	
Project: Merchant CTB	
Project Manager: Ashley Giovengo	
Address: 3122 National Parks Hwy	
City, State, Zip: Carlsbad NM, 88220	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	
Report due by:	

Bill To

Attention: Ensolum LLC	
Address: on file	
City, State, Zip:	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E412002	23003-0002				X		
							RCRA

Analysis and Method

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
1014	11/26/24	soil	1	FS232-1'	1							X		
1015				233	2							X		
1028				234	3							X		
1030				235	4							X		
1031				236	5							X		
1032				237	6							X		
1033				238	7							X		
1034				239	8							X		
1038				240	9							X		
1039				241	10							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/27/24	8:03	Michelle Gonzales	11.27.24	0803
Michelle Gonzales	11-27-24	1730		11.27.24	1730
	11.27.24	2200	Noe Soto	12-2-24	0800

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 4 of 4

Client: Matador Production Company	
Project: Merchant CTB	
Project Manager: Ashley Giovengo	
Address: 3122 National Parks Hwy	
City, State, Zip: Carlsbad NM, 88220	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	
Report due by:	

Bill To

Attention: Ensolum LLC	
Address: on file	
City, State, Zip:	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	

Lab Use Only

Lab WO#	Job Number
E412002	23003-0002

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		BGDOC NM		GDOC TX		Remarks
1040	11/26/24	soil	1	FS 242-1'	11								X				
1043				243	12								X				
1045				244	13								X				
1101				213-4'	14								X				
1103				214	15								X				
1105				215	16								X				
1106				216	17								X				
1107				218	18								X				
1132				225	19								X				
1135				226	20								X				

Analysis and Method

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/27/24	8:03	Michelle Gonzales	11-27-24	0803
Michelle Gonzales	11-27-24	1730		11.27.24	1730
	11.27.24	2200	Noe Soto	12-2-24	0800

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

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Page 567 of 983

Envirotech Analytical Laboratory

Printed: 12/2/2024 11:58:42AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/02/24 08:00	Work Order ID:	E412002
Phone:	(972) 371-5200	Date Logged In:	12/02/24 09:01	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/06/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

Project Merchant CTB has been separated into into 2 WOs due to high sample volume, WOs are E412001-E412002.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412005
Job Number:	23003-0002
Received:	12/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/6/24

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

Date Reported: 12/6/24

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

Project Name: Merchant CTB
Workorder: E412005
Date Received: 12/2/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2024 8:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS 245-4’ 6

FS 246-4’ 7

FS 247-4’ 8

FS 248-4’ 9

FS 249-4’ 10

FS 250-4’ 11

FS 251-4’ 12

FS 252-4’ 13

FS 253-4’ 14

FS 254-4’ 15

FS 255-4’ 16

FS 256-4’ 17

FS 257-4’ 18

FS 258-4’ 19

FS 259-4’ 20

FS 260-4’ 21

FS 261-4’ 22

FS 262-4’ 23

FS 264-4’ 24

FS 265-4’ 25

Table of Contents (continued)

FS 266-4’ 26

FS 267-4’ 27

FS 268-4’ 28

FS 269-4’ 29

FS 263-4’ 30

QC Summary Data 31

QC - Volatile Organic Compounds by EPA8260B 31

QC - Volatile Organics by EPA 8021B 32

QC - Nonhalogenated Organics by EPA 8015D - GRO 33

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 35

QC - Anions by EPA 300.0/9056A 37

Definitions and Notes 39

Chain of Custody etc. 40

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/06/24 07:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 245-4'	E412005-01A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 246-4'	E412005-02A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 247-4'	E412005-03A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 248-4'	E412005-04A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 249-4'	E412005-05A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 250-4'	E412005-06A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 251-4'	E412005-07A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 252-4'	E412005-08A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 253-4'	E412005-09A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 254-4'	E412005-10A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 255-4'	E412005-11A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 256-4'	E412005-12A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 257-4'	E412005-13A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 258-4'	E412005-14A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 259-4'	E412005-15A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 260-4'	E412005-16A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 261-4'	E412005-17A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 262-4'	E412005-18A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 264-4'	E412005-19A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 265-4'	E412005-20A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 266-4'	E412005-21A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 267-4'	E412005-22A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 268-4'	E412005-23A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 269-4'	E412005-24A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.
FS 263-4'	E412005-25A	Soil	11/27/24	12/02/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 245-4'

E412005-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	**99.6**	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	**80.9**	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**161**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 246-4'

E412005-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**286**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 247-4'

E412005-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**34.5**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 248-4'

E412005-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*94.2 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**67.2**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 249-4'

E412005-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**136**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 250-4'

E412005-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**22.5**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 251-4'

E412005-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**144**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 252-4'

E412005-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	ND	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 253-4'

E412005-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	**28.3**	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	ND	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 254-4'

E412005-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	ND	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 255-4'

E412005-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*82.5 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	**55.9**	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**26.8**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 256-4'

E412005-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**44.5**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 257-4'

E412005-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.2 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**86.0**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 258-4'

E412005-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*82.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**30.7**	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 259-4'

E412005-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	ND	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 260-4'

E412005-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	ND	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 261-4'

E412005-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	ND	20.0	1	12/03/24	12/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 262-4'

E412005-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**54.7**	20.0	1	12/03/24	12/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 264-4'

E412005-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	**146**	20.0	1	12/03/24	12/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 265-4'

E412005-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449019
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/03/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*12/02/24*	*12/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449044
Chloride	ND	20.0	1	12/03/24	12/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 266-4'

E412005-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/04/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/02/24*	*12/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449045
Chloride	**127**	20.0	1	12/03/24	12/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 267-4'

E412005-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/04/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/02/24*	*12/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449045
Chloride	ND	20.0	1	12/03/24	12/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 268-4'

E412005-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/04/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449045
Chloride	**91.1**	20.0	1	12/03/24	12/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 269-4'

E412005-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/04/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/24*	*12/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449045
Chloride	**42.9**	20.0	1	12/03/24	12/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

FS 263-4'

E412005-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Benzene	ND	0.0250	1	12/02/24	12/04/24	
Ethylbenzene	ND	0.0250	1	12/02/24	12/04/24	
Toluene	ND	0.0250	1	12/02/24	12/04/24	
o-Xylene	ND	0.0250	1	12/02/24	12/04/24	
p,m-Xylene	ND	0.0500	1	12/02/24	12/04/24	
Total Xylenes	ND	0.0250	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/24	12/04/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*12/02/24*	*12/04/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/02/24*	*12/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/24	12/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/24	12/04/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/02/24*	*12/04/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2449045
Chloride	**27.3**	20.0	1	12/03/24	12/04/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

Volatile Organic Compounds by EPA 8260B

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 (2449017-BLK1)									Prepared: 12/02/24 Analyzed: 12/03/24
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	*0.581*		*0.500*		*116*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.452*		*0.500*		*90.4*	*70-130*			
Surrogate: Toluene-d8	*0.558*		*0.500*		*112*	*70-130*			
LCS (2449017-BS1)									Prepared: 12/02/24 Analyzed: 12/03/24
Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.70	0.0250	2.50		108	70-130			
Toluene	2.70	0.0250	2.50		108	70-130			
o-Xylene	2.72	0.0250	2.50		109	70-130			
p,m-Xylene	5.45	0.0500	5.00		109	70-130			
Total Xylenes	8.17	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	*0.571*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.559*		*0.500*		*112*	*70-130*			
LCS Dup (2449017-BSD1)									Prepared: 12/02/24 Analyzed: 12/03/24
Benzene	2.50	0.0250	2.50		99.8	70-130	3.02	23	
Ethylbenzene	2.64	0.0250	2.50		105	70-130	2.55	27	
Toluene	2.62	0.0250	2.50		105	70-130	3.31	24	
o-Xylene	2.75	0.0250	2.50		110	70-130	1.11	27	
p,m-Xylene	5.51	0.0500	5.00		110	70-130	1.16	27	
Total Xylenes	8.27	0.0250	7.50		110	70-130	1.14	27	
Surrogate: Bromofluorobenzene	*0.594*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.546*		*0.500*		*109*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

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 (2449018-BLK1)									Prepared: 12/02/24 Analyzed: 12/03/24
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	*6.91*		*8.00*		*86.4*	*70-130*			
LCS (2449018-BS1)									Prepared: 12/02/24 Analyzed: 12/04/24
Benzene	4.90	0.0250	5.00		98.0	70-130			
Ethylbenzene	4.95	0.0250	5.00		98.9	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.94	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.71*		*8.00*		*83.9*	*70-130*			
LCS Dup (2449018-BSD1)									Prepared: 12/02/24 Analyzed: 12/03/24
Benzene	5.00	0.0250	5.00		100	70-130	2.05	20	
Ethylbenzene	5.06	0.0250	5.00		101	70-130	2.20	20	
Toluene	5.09	0.0250	5.00		102	70-130	1.71	20	
o-Xylene	5.04	0.0250	5.00		101	70-130	1.85	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	2.02	20	
Total Xylenes	15.3	0.0250	15.0		102	70-130	1.97	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.91*		*8.00*		*86.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2449017-BLK1)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.581*		*0.500*		*116*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.452*		*0.500*		*90.4*	*70-130*			
Surrogate: Toluene-d8	*0.558*		*0.500*		*112*	*70-130*			
LCS (2449017-BS2)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.5	70-130			
Surrogate: Bromofluorobenzene	*0.601*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: Toluene-d8	*0.561*		*0.500*		*112*	*70-130*			
LCS Dup (2449017-BSD2)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130	10.3	20	
Surrogate: Bromofluorobenzene	*0.580*		*0.500*		*116*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.570*		*0.500*		*114*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2449018-BLK1)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
LCS (2449018-BS2)									Prepared: 12/02/24 Analyzed: 12/03/24
Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		79.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			
LCS Dup (2449018-BSD2)									Prepared: 12/02/24 Analyzed: 12/04/24
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.3	70-130	6.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449019-BLK1)									Prepared: 12/02/24 Analyzed: 12/03/24
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 (2449019-BS1)									Prepared: 12/02/24 Analyzed: 12/03/24
Diesel Range Organics (C10-C28)	277	25.0	250		111	38-132			
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*50-200*			
Matrix Spike (2449019-MS1)				**Source: E412005-17**					Prepared: 12/02/24 Analyzed: 12/03/24
Diesel Range Organics (C10-C28)	279	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	*56.3*		*50.0*		*113*	*50-200*			
Matrix Spike Dup (2449019-MSD1)				**Source: E412005-17**					Prepared: 12/02/24 Analyzed: 12/03/24
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	1.12	20	
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449020-BLK1)									Prepared: 12/02/24 Analyzed: 12/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*50-200*			
LCS (2449020-BS1)									Prepared: 12/02/24 Analyzed: 12/04/24
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*50-200*			
Matrix Spike (2449020-MS1)				**Source: E412003-01**					Prepared: 12/02/24 Analyzed: 12/04/24
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*50-200*			
Matrix Spike Dup (2449020-MSD1)				**Source: E412003-01**					Prepared: 12/02/24 Analyzed: 12/04/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	3.53	20	
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449044-BLK1)									Prepared: 12/03/24 Analyzed: 12/03/24
Chloride	ND	20.0							
LCS (2449044-BS1)									Prepared: 12/03/24 Analyzed: 12/03/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2449044-BSD1)									Prepared: 12/03/24 Analyzed: 12/03/24
Chloride	252	20.0	250		101	90-110	0.462	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/6/2024 7:32:35AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449045-BLK1)									Prepared: 12/03/24 Analyzed: 12/04/24
Chloride	ND	20.0							
LCS (2449045-BS1)									Prepared: 12/03/24 Analyzed: 12/04/24
Chloride	250	20.0	250		99.9	90-110			
LCS Dup (2449045-BSD1)									Prepared: 12/03/24 Analyzed: 12/04/24
Chloride	250	20.0	250		99.9	90-110	0.0436	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/06/24 07:32

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Project Information | Chain of Custody | Page 1 of 3

Client: Matador Production Company	
Project: Merchant CTB	
Project Manager: Ashley Giovengo	
Address: 3122 National Parks Hwy	
City, State, Zip: Carlsbad NM, 88220	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	
Report due by:	

Bill To

Attention: Ensolum LLC	
Address: on file	
City, State, Zip:	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	

Lab Use Only

Lab WO#	Job Number
E412005	23003-0002

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
921	11/27/24	soil	1	FS245-4'	1							X		
923	↓	↓	↓	246	2							X		
924				247	3							X		
925				248	4							X		
926				249	5							X		
928				250	6							X		
929				251	7							X		
930				252	8							X		
932				253	9							X		
933	↓	↓	↓	↓ 254	10							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/27/24	12:00	Michelle Gonzales	11-27-24	1200
Michelle Gonzales	11-27-24	1730		11.27.24	1730
	11.27.24	2200		12-2-24	0800

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech

Page 60 of 983

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Client: Matador Production Company	Bill To	Lab Use Only		TAT				EPA Program	
Project: Merchant CTB	Attention: Ensolum LLC	Lab WO# E412005	Job Number 23003-0002	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo	Address: on file						X		
Address: 3122 National Parks Hwy	City, State, Zip:	Analysis and Method							RCRA
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055								
Phone: 575-988-0055	Email: agiovengo@ensolum.com							State	
Email: agiovengo@ensolum.com								NM CO UT AZ TX	
Report due by:								X	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM		GDOC TX		Remarks
935	11/27/24	Soil	1	FS255-4'	11							X				
937				256	12							X				
938				257	13							X				
940				258	14							X				
941				259	15							X				
948				260	16							X				
949				261	17							X				
950				262	18							X				
952				264	19							X				
954	↓	↓	↓	↓ 265 ↓	20							X				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/27/24	12:00	Michelle Gonzales	11-27-24	1200
Michelle Gonzales	11-27-24	1730		11.27.24	1730
	11.27.24	2200	Nee Sotelo	12-2-24	0800

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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Page 60 of 983

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Client: Matador Production Company	Bill To
Project: Merchant CTB	Attention: Ensolum LLC
Project Manager: Ashley Giovengo	Address: on file
Address: 3122 National Parks Hwy	City, State, Zip:
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Phone: 575-988-0055	Email: agiovengo@ensolum.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E412005	23003-0002				X		
							RCRA

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
955	11/27/24	Soil	1	~~FS16~~ FS266-9'	21							X		
956	↓	↓	↓	267	22							X		
957				268	23							X		
958				269	24							X		
1057	↓	↓	↓	263 ↓	25							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com

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

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/27/24	12:00	Michelle Gonzales	11.27.24	1200
Michelle Gonzales	11-27-24	1730		11.27.24	1730
	11.27.24	2200	Noe Soto	12-2-24	0800

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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Envirotech Analytical Laboratory

Printed: 12/2/2024 1:40:39PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/02/24 08:00	Work Order ID:	E412005
Phone:	(972) 371-5200	Date Logged In:	12/02/24 10:03	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/06/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412029
Job Number:	23003-0002
Received:	12/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/10/24

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

Date Reported: 12/10/24

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

Project Name: Merchant CTB
Workorder: E412029
Date Received: 12/5/2024 6:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2024 6:15:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS35-2’ 6

FS39-2’ 7

FS44-2’ 8

FS45-2’ 9

FS46-2’ 10

FS51-2’ 11

FS52-2’ 12

FS53-2’ 13

FS57-2’ 14

FS58-2’ 15

FS37-2’ 16

FS38-2’ 17

FS59-2’ 18

FS60-2’ 19

FS61-2’ 20

FS62-2’ 21

FS64-2’ 22

FS65-2’ 23

FS68-2’ 24

FS70-2’ 25

Table of Contents (continued)

FS79-1’ 26

FS80-1’ 27

FS85-1’ 28

FS87-1’ 29

FS88-1’ 30

FS89-1’ 31

QC Summary Data 32

QC - Volatile Organic Compounds by EPA8260B 32

QC - Nonhalogenated Organics by EPA 8015D - GRO 34

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 36

QC - Anions by EPA 300.0/9056A 38

Definitions and Notes 40

Chain of Custody etc. 41

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/24 10:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS35-2'	E412029-01A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS39-2'	E412029-02A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS44-2'	E412029-03A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS45-2'	E412029-04A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS46-2'	E412029-05A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS51-2'	E412029-06A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS52-2'	E412029-07A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS53-2'	E412029-08A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS57-2'	E412029-09A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS58-2'	E412029-10A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS37-2'	E412029-11A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS38-2'	E412029-12A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS59-2'	E412029-13A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS60-2'	E412029-14A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS61-2'	E412029-15A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS62-2'	E412029-16A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS64-2'	E412029-17A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS65-2'	E412029-18A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS68-2'	E412029-19A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS70-2'	E412029-20A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS79-1'	E412029-21A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS80-1'	E412029-22A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS85-1'	E412029-23A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS87-1'	E412029-24A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS88-1'	E412029-25A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.
FS89-1'	E412029-26A	Soil	12/03/24	12/05/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS35-2'

E412029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS39-2'

E412029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**22.4**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS44-2'

E412029-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**58.4**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS45-2'

E412029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS46-2'

E412029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS51-2'

E412029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS52-2'

E412029-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS53-2'

E412029-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	**207**	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	**174**	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**125**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS57-2'

E412029-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS58-2'

E412029-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS37-2'

E412029-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/05/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/05/24*	*12/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**121**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS38-2'

E412029-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.2 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.2 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**318**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS59-2'

E412029-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**40.3**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS60-2'

E412029-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS61-2'

E412029-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.1 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.1 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*115 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS62-2'

E412029-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**72.6**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS64-2'

E412029-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS65-2'

E412029-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**67.2**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS68-2'

E412029-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	**372**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS70-2'

E412029-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Benzene	ND	0.0250	1	12/05/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/07/24	
Toluene	ND	0.0250	1	12/05/24	12/07/24	
o-Xylene	ND	0.0250	1	12/05/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449078
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/07/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*12/05/24*	*12/07/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449076
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449086
Chloride	ND	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS79-1'

E412029-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Benzene	ND	0.0250	1	12/05/24	12/05/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/05/24	
Toluene	ND	0.0250	1	12/05/24	12/05/24	
o-Xylene	ND	0.0250	1	12/05/24	12/05/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/05/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449088
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449082
Chloride	**84.3**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS80-1'

E412029-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Benzene	ND	0.0250	1	12/05/24	12/05/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/05/24	
Toluene	ND	0.0250	1	12/05/24	12/05/24	
o-Xylene	ND	0.0250	1	12/05/24	12/05/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/05/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449088
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449082
Chloride	**43.7**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS85-1'

E412029-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Benzene	ND	0.0250	1	12/05/24	12/05/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/05/24	
Toluene	ND	0.0250	1	12/05/24	12/05/24	
o-Xylene	ND	0.0250	1	12/05/24	12/05/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/05/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449088
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449082
Chloride	**38.8**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS87-1'

E412029-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Benzene	ND	0.0250	1	12/05/24	12/05/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/05/24	
Toluene	ND	0.0250	1	12/05/24	12/05/24	
o-Xylene	ND	0.0250	1	12/05/24	12/05/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/05/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449088
Diesel Range Organics (C10-C28)	**34.4**	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449082
Chloride	**305**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS88-1'

E412029-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Benzene	ND	0.0250	1	12/05/24	12/05/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/05/24	
Toluene	ND	0.0250	1	12/05/24	12/05/24	
o-Xylene	ND	0.0250	1	12/05/24	12/05/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/05/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449088
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449082
Chloride	**41.4**	20.0	1	12/05/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

FS89-1'

E412029-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Benzene	ND	0.0250	1	12/05/24	12/05/24	
Ethylbenzene	ND	0.0250	1	12/05/24	12/05/24	
Toluene	ND	0.0250	1	12/05/24	12/05/24	
o-Xylene	ND	0.0250	1	12/05/24	12/05/24	
p,m-Xylene	ND	0.0500	1	12/05/24	12/05/24	
Total Xylenes	ND	0.0250	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2449081
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/24	12/05/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*12/05/24*	*12/05/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/05/24*	*12/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2449088
Diesel Range Organics (C10-C28)	**30.9**	25.0	1	12/05/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/24	12/06/24	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*12/05/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449082
Chloride	**20.0**	20.0	1	12/05/24	12/06/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

Volatile Organic Compounds by EPA 8260B

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 (2449078-BLK1)									Prepared: 12/05/24 Analyzed: 12/06/24
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	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: Toluene-d8	*0.565*		*0.500*		*113*	*70-130*			
LCS (2449078-BS1)									Prepared: 12/05/24 Analyzed: 12/06/24
Benzene	2.48	0.0250	2.50		99.3	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.66	0.0250	2.50		106	70-130			
p,m-Xylene	5.26	0.0500	5.00		105	70-130			
Total Xylenes	7.92	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	*0.588*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.553*		*0.500*		*111*	*70-130*			
LCS Dup (2449078-BSD1)									Prepared: 12/05/24 Analyzed: 12/07/24
Benzene	2.59	0.0250	2.50		104	70-130	4.45	23	
Ethylbenzene	2.69	0.0250	2.50		108	70-130	4.33	27	
Toluene	2.67	0.0250	2.50		107	70-130	4.25	24	
o-Xylene	2.81	0.0250	2.50		112	70-130	5.31	27	
p,m-Xylene	5.57	0.0500	5.00		111	70-130	5.76	27	
Total Xylenes	8.38	0.0250	7.50		112	70-130	5.61	27	
Surrogate: Bromofluorobenzene	*0.606*		*0.500*		*121*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.561*		*0.500*		*112*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

Volatile Organic Compounds by EPA 8260B

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 (2449081-BLK1)									Prepared: 12/05/24 Analyzed: 12/05/24
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	*0.587*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.564*		*0.500*		*113*	*70-130*			
LCS (2449081-BS1)									Prepared: 12/05/24 Analyzed: 12/05/24
Benzene	2.46	0.0250	2.50		98.4	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.37	0.0500	5.00		107	70-130			
Total Xylenes	8.06	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	*0.590*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.554*		*0.500*		*111*	*70-130*			
LCS Dup (2449081-BSD1)									Prepared: 12/05/24 Analyzed: 12/05/24
Benzene	2.45	0.0250	2.50		98.0	70-130	0.489	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	0.522	27	
Toluene	2.56	0.0250	2.50		102	70-130	0.00	24	
o-Xylene	2.75	0.0250	2.50		110	70-130	2.06	27	
p,m-Xylene	5.48	0.0500	5.00		110	70-130	2.03	27	
Total Xylenes	8.23	0.0250	7.50		110	70-130	2.04	27	
Surrogate: Bromofluorobenzene	*0.596*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.555*		*0.500*		*111*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2449078-BLK1)									Prepared: 12/05/24 Analyzed: 12/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.566*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: Toluene-d8	*0.565*		*0.500*		*113*	*70-130*			
LCS (2449078-BS2)									Prepared: 12/05/24 Analyzed: 12/07/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130			
Surrogate: Bromofluorobenzene	*0.602*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.572*		*0.500*		*114*	*70-130*			
LCS Dup (2449078-BSD2)									Prepared: 12/05/24 Analyzed: 12/07/24
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130	8.72	20	
Surrogate: Bromofluorobenzene	*0.586*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.577*		*0.500*		*115*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2449081-BLK1)									Prepared: 12/05/24 Analyzed: 12/05/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.587*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.564*		*0.500*		*113*	*70-130*			
LCS (2449081-BS2)									Prepared: 12/05/24 Analyzed: 12/05/24
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	*0.594*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: Toluene-d8	*0.567*		*0.500*		*113*	*70-130*			
LCS Dup (2449081-BSD2)									Prepared: 12/05/24 Analyzed: 12/05/24
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130	0.641	20	
Surrogate: Bromofluorobenzene	*0.582*		*0.500*		*116*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.572*		*0.500*		*114*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449076-BLK1)									Prepared: 12/05/24 Analyzed: 12/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*50-200*			
LCS (2449076-BS1)									Prepared: 12/05/24 Analyzed: 12/05/24
Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132			
Surrogate: n-Nonane	*59.0*		*50.0*		*118*	*50-200*			
Matrix Spike (2449076-MS1)				**Source: E412029-09**					Prepared: 12/05/24 Analyzed: 12/05/24
Diesel Range Organics (C10-C28)	307	25.0	250	ND	123	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2449076-MSD1)				**Source: E412029-09**					Prepared: 12/05/24 Analyzed: 12/05/24
Diesel Range Organics (C10-C28)	311	25.0	250	ND	124	38-132	1.48	20	
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449088-BLK1)									Prepared: 12/05/24 Analyzed: 12/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
LCS (2449088-BS1)									Prepared: 12/05/24 Analyzed: 12/06/24
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			
LCS Dup (2449088-BSD1)									Prepared: 12/05/24 Analyzed: 12/06/24
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132	2.64	20	
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

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 (2449082-BLK1)									Prepared: 12/05/24 Analyzed: 12/06/24
Chloride	ND	20.0							
LCS (2449082-BS1)									Prepared: 12/05/24 Analyzed: 12/06/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2449082-BSD1)									Prepared: 12/05/24 Analyzed: 12/06/24
Chloride	254	20.0	250		102	90-110	0.163	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2024 10:35:50AM

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 (2449086-BLK1)									Prepared: 12/05/24 Analyzed: 12/06/24
Chloride	ND	20.0							
LCS (2449086-BS1)									Prepared: 12/05/24 Analyzed: 12/06/24
Chloride	250	20.0	250		100	90-110			
LCS Dup (2449086-BSD1)									Prepared: 12/05/24 Analyzed: 12/06/24
Chloride	252	20.0	250		101	90-110	0.549	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/24 10:35

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.

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412029	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		
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: aglovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: aglovengo@ensolum.com				

Sample Information

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
942	12/3/24	Soil	1	FS35-2'		1						X		
945				39		2						X		
946				44		3						X		
946				45		4						X		
951				46		5						X		
955				51		6						X		
958				52		7						X		
956				53		8						X		
1017				57		9						X		
1020				58		10						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, aglovengo@ensolum.com, lestrella@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: ~~Cole Burton~~ Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/3/24	7:55	Michelle Gonzales	12.4.24	0715
Michelle Gonzales	12.4.24	1600		12-4-24	1600
	12-4-24	2210	Caitlin Mars	12.5.24	6:15

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412029	1D 2D 3D Std	NM CO UT TX
Project: Merchant GB	Address: 3122 National Parks Hwy	Job Number 23C03-0002		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

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				Remarks
1028	12/3/24	Soil	1	FS37-21		11						X						
1030				38		12						X						
1022				59		13						X						
1024				60		14						X						
1117				61		15						X						
1119				62		16						X						
1121				64		17						X						
1123				65		18						X						
1123				68		19						X						
1125				70		20						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, lestrella@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: ~~Cole Burton~~ Ismael Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/4/24	7:15	Michelle Gonzales	12-4-24	0715
Michelle Gonzales	12-4-24	1600		12-4-24	1600
	12-4-24	2210	Caitlin Mars	12.5.24	6:15

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412029	1D 2D 3D Std: Std	NM CO UT TX: NM
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		
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

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				Remarks
1300	12/3/24	Soil	1	FS79-1'		21						X						
~~1302~~ 1302				80		22						X						
1304				85		23						X						
1306				87		24						X						
1308				88		25						X						
1310	↓	↓	↓	↓ 89 ↓		26						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions: 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: ~~Cole Burton~~ Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/4/24	7:15	Michelle Gonzales	12.4.24	0715
Michelle Gonzales	12-4-24	1600	[signature]	12-4-24	1600
[signature]	12-4-24	2210	Caitlin Mars	12.5.24	6:15
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

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: 12/5/2024 10:19:41AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/05/24 06:15	Work Order ID:	E412029
Phone:	(972) 371-5200	Date Logged In:	12/04/24 17:00	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/11/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

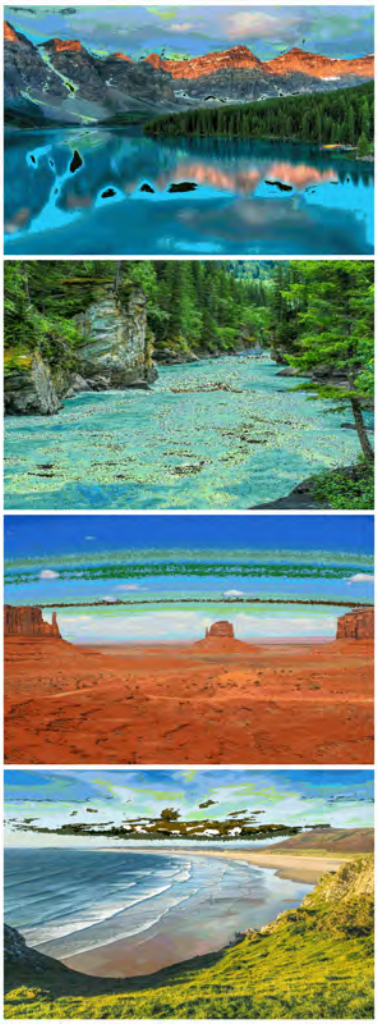
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412037
Job Number:	23003-0002
Received:	12/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/16/24

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

Date Reported: 12/16/24

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

Project Name: Merchant CTB
Workorder: E412037
Date Received: 12/6/2024 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/6/2024 7:15:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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mgonzales@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS 107-1’ 6

FS 108-1’ 7

FS 116-1’ 8

FS 125-1’ 9

FS 126-1’ 10

FS 127-1’ 11

FS 138-1’ 12

FS 141-1’ 13

FS 153-1’ 14

FS 155-1’ 15

FS 161-1’ 16

FS 162-1’ 17

FS 180-.5’ 18

FS 181-.5’ 19

FS 183-.5’ 20

FS 190-.5’ 21

FS 163-2’ 22

FS 164-2’ 23

QC Summary Data 24

QC - Volatile Organics by EPA 8021B 24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO 25

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 26

QC - Anions by EPA 300.0/9056A 28

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/24 14:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 107-1'	E412037-01A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 108-1'	E412037-02A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 116-1'	E412037-03A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 125-1'	E412037-04A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 126-1'	E412037-05A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 127-1'	E412037-06A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 138-1'	E412037-07A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 141-1'	E412037-08A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 153-1'	E412037-09A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 155-1'	E412037-10A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 161-1'	E412037-11A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 162-1'	E412037-12A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 180-.5'	E412037-13A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 181-.5'	E412037-14A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 183-.5'	E412037-15A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 184-.5'	E412037-16A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 185-.5'	E412037-17A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 190-.5'	E412037-18A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 163-2'	E412037-19A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 164-2'	E412037-20A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 172-2'	E412037-21A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.
FS 173-2'	E412037-22A	Soil	12/04/24	12/06/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 107-1'

E412037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/06/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/06/24	
Toluene	ND	0.0250	1	12/06/24	12/06/24	
o-Xylene	ND	0.0250	1	12/06/24	12/06/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/06/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/06/24*	*12/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*12/06/24*	*12/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**166**	20.0	1	12/06/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 108-1'

E412037-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/06/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/06/24	
Toluene	ND	0.0250	1	12/06/24	12/06/24	
o-Xylene	ND	0.0250	1	12/06/24	12/06/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/06/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*12/06/24*	*12/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*12/06/24*	*12/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**97.3**	20.0	1	12/06/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 116-1'

E412037-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**163**	20.0	1	12/06/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 125-1'

E412037-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**51.8**	20.0	1	12/06/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 126-1'

E412037-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	ND	20.0	1	12/06/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 127-1'

E412037-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	ND	20.0	1	12/06/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 138-1'

E412037-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	**29.2**	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**132**	20.0	1	12/06/24	12/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 141-1'

E412037-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	ND	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 153-1'

E412037-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*129 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**20.9**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 155-1'

E412037-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	**275**	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**154**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 161-1'

E412037-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**22.0**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 162-1'

E412037-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**46.5**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 180-.5'

E412037-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/06/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/06/24*	*12/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**71.2**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 181-.5'

E412037-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/07/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/06/24*	*12/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**179**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 183-.5'

E412037-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/14/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/06/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450068
Chloride	**104**	20.0	1	12/12/24	12/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 190-.5'

E412037-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/07/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/06/24*	*12/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**26.2**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 163-2'

E412037-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/07/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/06/24*	*12/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	**26.3**	20.0	1	12/06/24	12/07/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

FS 164-2'

E412037-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Benzene	ND	0.0250	1	12/06/24	12/07/24	
Ethylbenzene	ND	0.0250	1	12/06/24	12/07/24	
Toluene	ND	0.0250	1	12/06/24	12/07/24	
o-Xylene	ND	0.0250	1	12/06/24	12/07/24	
p,m-Xylene	ND	0.0500	1	12/06/24	12/07/24	
Total Xylenes	ND	0.0250	1	12/06/24	12/07/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2449099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/06/24	12/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*12/06/24*	*12/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2449102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/24	12/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/24	12/07/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/06/24*	*12/07/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2449113
Chloride	ND	20.0	1	12/06/24	12/07/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

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 (2449099-BLK1)									Prepared: 12/06/24 Analyzed: 12/06/24
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	*8.24*		*8.00*		*103*	*70-130*			
LCS (2449099-BS1)									Prepared: 12/06/24 Analyzed: 12/06/24
Benzene	5.18	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.11	0.0250	5.00		102	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	*8.26*		*8.00*		*103*	*70-130*			
LCS Dup (2449099-BSD1)									Prepared: 12/06/24 Analyzed: 12/06/24
Benzene	5.19	0.0250	5.00		104	70-130	0.267	20	
Ethylbenzene	5.02	0.0250	5.00		100	70-130	0.341	20	
Toluene	5.12	0.0250	5.00		102	70-130	0.247	20	
o-Xylene	5.02	0.0250	5.00		100	70-130	0.406	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	0.430	20	
Total Xylenes	15.3	0.0250	15.0		102	70-130	0.422	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2449099-BLK1)									Prepared: 12/06/24 Analyzed: 12/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
LCS (2449099-BS2)									Prepared: 12/06/24 Analyzed: 12/06/24
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
LCS Dup (2449099-BSD2)									Prepared: 12/06/24 Analyzed: 12/06/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.2	70-130	1.53	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2449102-BLK1)									Prepared: 12/06/24 Analyzed: 12/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.9*		*50.0*		*118*	*50-200*			
LCS (2449102-BS1)									Prepared: 12/06/24 Analyzed: 12/06/24
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*50-200*			
Matrix Spike (2449102-MS1)				**Source: E412037-17**					Prepared: 12/06/24 Analyzed: 12/06/24
Diesel Range Organics (C10-C28)	328	25.0	250	30.5	119	38-132			
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*50-200*			
Matrix Spike Dup (2449102-MSD1)				**Source: E412037-17**					Prepared: 12/06/24 Analyzed: 12/06/24
Diesel Range Organics (C10-C28)	328	25.0	250	30.5	119	38-132	0.183	20	
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450093-BLK1)									Prepared: 12/12/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*50-200*			
LCS (2450093-BS1)									Prepared: 12/12/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			
Matrix Spike (2450093-MS1)				**Source: E412088-84**					Prepared: 12/12/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	*59.1*		*50.0*		*118*	*50-200*			
Matrix Spike Dup (2450093-MSD1)				**Source: E412088-84**					Prepared: 12/12/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	1.16	20	
Surrogate: n-Nonane	*58.9*		*50.0*		*118*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

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 (2449113-BLK1)									Prepared: 12/06/24 Analyzed: 12/06/24
Chloride	ND	20.0							
LCS (2449113-BS1)									Prepared: 12/06/24 Analyzed: 12/06/24
Chloride	259	20.0	250		104	90-110			
LCS Dup (2449113-BSD1)									Prepared: 12/06/24 Analyzed: 12/06/24
Chloride	258	20.0	250		103	90-110	0.199	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/2024 2:38:41PM

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 (2450068-BLK1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	ND	20.0							
LCS (2450068-BS1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	256	20.0	250		102	90-110			
LCS Dup (2450068-BSD1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	256	20.0	250		103	90-110	0.218	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/16/24 14:38

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412037	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003-0002		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

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				
1156	12/4/24	Soil	1	FS107-1'		1						X						
1158				108		2						X						
1203				116		3						X						
1207				125		4						X						
1210				126		5						X						
1211				127		6						X						
1228				138		7						X						
1233				141		8						X						
1237				153		9						X						
1245				155		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: ~~Cole Burton~~ Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/5/24	7:20	Michelle Gonzales	12.5.24	0720
Michelle Gonzales	12-5-24	1640	Andrew M.	12.5.24	1640
Andrew M.	12.5.24	2245	Courtney Moore	12.6.24	7:15
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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412037	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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

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				Remarks
1242	12/4/24	soil	1	FS161-1'		11						X						
1244	↓	↓	↓	162 ↓		12						X						
1246				180--5'		13						X						
1247				181		14						X						
1248				183		15						X						
1249				184		16						X						
1250				185		17						X						
1251				190 ↓		18						X						
1249				163--2'		19						X						
1345	↓	↓	↓	↓ 164 ↓		20						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: ~~Cole Burton~~ Israel Estrella.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/5/24	7:20	Michelle Gonzales	12.5.24	0720
Michelle Gonzales	12.5.24	1640	[signature]	12.5.24	1640
[signature]	12.5.24	2245	Cathamar	12.6.24	7:15
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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E4/2037	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23053-0002		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

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				Remarks
1346	12/4/24	Soil	1	FS172-2'		21						X						
1347	↓	↓	↓	↓ 173 ↓		22						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: ~~Cole Burton~~ Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/4/24	7:20	Michelle Gonzales	12-5-24	0720
Michelle Gonzales	12-5-24	1640	[signature]	12.5.24	1640
[signature]	12.5.24	2245	Caitlin Mac	12.6.24	7:15
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

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

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: 12/6/2024 9:36:12AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/06/24 07:15	Work Order ID:	E412037
Phone:	(972) 371-5200	Date Logged In:	12/05/24 16:04	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/12/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample 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?	No
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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
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 filteration 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.

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412037	1D 2D 3D Std: X	NM: X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003-0002		
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

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	TCLP 1005 - TX	RCRA 8 Metals	Remarks
1156	12/4/24	Soil	1	FS107-1'		1						X			Cancelled Samples 15,16,21,22 Per Chad 12/6/24 CM
1158				108		2						X			
1203				116		3						X			
1207				125		4						X			
1210				126		5						X			
1211				127		6						X			
1223				138		7						X			Corrected Cancelled Samples. Cancelled Sample #17, Made #15 available. Per Chad 12/12/24 CM
1233				141		8						X			
1237				153		9						X			
1245				155		10						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions: 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: ~~Cole Burton~~ Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/5/24	7:20	Michelle Gonzales	12.5.24	0720
Michelle Gonzales	12-5-24	1440	Andrew M.	12.5.24	1640
Andrew M.	12.5.24	2245	Caitlin Mar	12/6/24	7:15
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

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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Page 690 of 983

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412037	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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				

Analysis and Method / **EPA Program**

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

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	Remarks
1242	12/4/24	Soil	1	FS161-1'		11						X			
1244	↓	↓	↓	162 ↓		12						X			
1246				180-5'		13						X			
1247				181		14						X			
~~1248~~				~~183~~ FS183-1'		~~15~~						X			Needs to be ran.
~~1249~~				~~184~~		~~16~~						X			
~~1250~~				~~185~~		~~17~~						X			
1251				190 ↓		18						X			
1249				163-2'		19						X			
1345	↓	↓	↓	164 ↓		20						X			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com

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Sampled by: ~~Cole Burton~~ Israel Estrella.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/5/24	7:20	Michelle Gonzales	12.5.24	0720
Michelle Gonzales	12.5.24	1640	[signature]	12.5.24	1640
[signature]	12.5.24	2245	Cathamar	12.6.24	7:15
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

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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Page 691 of 983

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412037	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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

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	Remarks
~~1346~~	12/4/24	Soil	1	FS172 2'		21						X			
~~1347~~	↓	↓	↓	↓ 173 ↓		22						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #:

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com

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Sampled by: ~~Cole Burton~~ Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/4/24	7:20	Michelle Gonzales	12.5.24	0720
Michelle Gonzales	12.5.24	1640	[signature]	12.5.24	1640
[signature]	12.5.24	2245	Caitlin Thar	12.6.24	7:15
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

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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Page 692 of 983

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412086
Job Number:	23003-0002
Received:	12/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/18/24

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

Date Reported: 12/18/24

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

Project Name: Merchant CTB
Workorder: E412086
Date Received: 12/12/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/12/2024 8:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS270 - 4’ 6

FS271 - 4’ 7

FS272 - 4’ 8

FS273 - 4’ 9

FS274 - 4’ 10

FS275 - 4’ 11

FS276 - 4’ 12

FS278 - 4’ 13

FS279 - 4’ 14

FS280 - 4’ 15

FS282 - 4’ 16

FS286 - 1’ 17

FS287 - 1’ 18

FS288 - 1’ 19

FS281 - 4’ 20

FS283 - 4’ 21

QC Summary Data 22

QC - Volatile Organics by EPA 8021B 22

QC - Nonhalogenated Organics by EPA 8015D - GRO 23

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A 25

Definitions and Notes 26

Chain of Custody etc. 27

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/24 11:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS270 - 4'	E412086-01A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS271 - 4'	E412086-02A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS272 - 4'	E412086-03A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS273 - 4'	E412086-04A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS274 - 4'	E412086-05A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS275 - 4'	E412086-06A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS276 - 4'	E412086-07A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS278 - 4'	E412086-08A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS279 - 4'	E412086-09A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS280 - 4'	E412086-10A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS282 - 4'	E412086-11A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS286 - 1'	E412086-12A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS287 - 1'	E412086-13A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS288 - 1'	E412086-14A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS281 - 4'	E412086-15A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.
FS283 - 4'	E412086-16A	Soil	12/10/24	12/12/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS270 - 4'

E412086-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/12/24	
Toluene	ND	0.0250	1	12/12/24	12/12/24	
o-Xylene	**0.0279**	0.0250	1	12/12/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/12/24	
Total Xylenes	**0.0279**	0.0250	1	12/12/24	12/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**271**	20.0	1	12/12/24	12/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS271 - 4'

E412086-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/12/24	
Toluene	ND	0.0250	1	12/12/24	12/12/24	
o-Xylene	ND	0.0250	1	12/12/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/12/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**73.0**	20.0	1	12/12/24	12/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS272 - 4'

E412086-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/12/24	
Toluene	ND	0.0250	1	12/12/24	12/12/24	
o-Xylene	ND	0.0250	1	12/12/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/12/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**71.4**	20.0	1	12/12/24	12/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS273 - 4'

E412086-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/12/24	
Toluene	ND	0.0250	1	12/12/24	12/12/24	
o-Xylene	ND	0.0250	1	12/12/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/12/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**34.4**	20.0	1	12/12/24	12/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS274 - 4'

E412086-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/12/24	
Toluene	ND	0.0250	1	12/12/24	12/12/24	
o-Xylene	ND	0.0250	1	12/12/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/12/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**24.7**	20.0	1	12/12/24	12/12/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS275 - 4'

E412086-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/12/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/12/24	
Toluene	ND	0.0250	1	12/12/24	12/12/24	
o-Xylene	ND	0.0250	1	12/12/24	12/12/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/12/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*12/12/24*	*12/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**178**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS276 - 4'

E412086-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**110**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS278 - 4'

E412086-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**93.0**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS279 - 4'

E412086-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/12/24*	*12/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**53.6**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS280 - 4'

E412086-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**229**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS282 - 4'

E412086-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	ND	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS286 - 1'

E412086-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**28.3**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS287 - 1'

E412086-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**33.8**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS288 - 1'

E412086-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.9 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*12/12/24*	*12/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**30.6**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS281 - 4'

E412086-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.3 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**134**	20.0	1	12/12/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

FS283 - 4'

E412086-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.6 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450069
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*12/12/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2450086
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/12/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450073
Chloride	**385**	20.0	1	12/12/24	12/13/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

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 (2450069-BLK1)									Prepared: 12/12/24 Analyzed: 12/12/24
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	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2450069-BS1)									Prepared: 12/12/24 Analyzed: 12/12/24
Benzene	4.87	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130			
Toluene	4.89	0.0250	5.00		97.9	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.12*		*8.00*		*89.0*	*70-130*			
LCS Dup (2450069-BSD1)									Prepared: 12/12/24 Analyzed: 12/12/24
Benzene	4.88	0.0250	5.00		97.5	70-130	0.228	20	
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130	0.976	20	
Toluene	4.92	0.0250	5.00		98.5	70-130	0.578	20	
o-Xylene	4.86	0.0250	5.00		97.1	70-130	0.985	20	
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130	1.05	20	
Total Xylenes	14.7	0.0250	15.0		98.2	70-130	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.09*		*8.00*		*88.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2450069-BLK1)									Prepared: 12/12/24 Analyzed: 12/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.6*	*70-130*			
LCS (2450069-BS2)									Prepared: 12/12/24 Analyzed: 12/12/24
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
LCS Dup (2450069-BSD2)									Prepared: 12/12/24 Analyzed: 12/12/24
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.6	70-130	0.333	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450086-BLK1)									Prepared: 12/12/24 Analyzed: 12/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*63.7*		*50.0*		*127*	*50-200*			
LCS (2450086-BS1)									Prepared: 12/12/24 Analyzed: 12/13/24
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	*57.4*		*50.0*		*115*	*50-200*			
Matrix Spike (2450086-MS1)				**Source: E412086-11**					Prepared: 12/12/24 Analyzed: 12/13/24
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*59.6*		*50.0*		*119*	*50-200*			
Matrix Spike Dup (2450086-MSD1)				**Source: E412086-11**					Prepared: 12/12/24 Analyzed: 12/13/24
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	38-132	1.07	20	
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 11:35:55AM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450073-BLK1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	ND	20.0							
LCS (2450073-BS1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2450073-BSD1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	255	20.0	250		102	90-110	0.0904	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/24 11:35

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.

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E4120816	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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

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				
1133	12/10/24	soil	1	FS270-4'		1						X						
1141				271		2						X						
1142				272		3						X						
1143				273		4						X						
1149				274		5						X						
1145				275		6						X						
1147				276		7						X						
1150				278		8						X						
1151				279		9						X						
1152				280		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: ~~Cole Burton~~ Israel Estrella / Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/11/24	7:21	Michelle Gonzales	12.11.24	0721
Michelle Gonzales	12-11-24	1600		12-11-24	1600
	12-11-24	21:06		12.12.24	800

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

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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Released to Imaging: 4/22/2025 3:44:39 PM

Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E4120860	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		*
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

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				
1155	12/10/24	Soil	1	FS 282 - 4'		11						X						
1125				286 - 1'		12						+						
1128				287 - 1'		13						+						
1130				283 - 1'		14						X						
1335				281 - 4'		15						X						
1403				283 - 4'		16						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: ~~Cole Burton~~ Isreal Estrella / Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	12/11/24	7:21	Michelle Gonzales	12.11.24	0721
Michelle Gonzales	12-11-24	1600		12-11-24	1600
	12-11-24	21:46	Caitlin Mason	12.12.24	800

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

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: 12/12/2024 10:17:48AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/12/24 08:00	Work Order ID:	E412086
Phone:	(972) 371-5200	Date Logged In:	12/11/24 15:40	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/18/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412103
Job Number:	20046-0001
Received:	12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/18/24

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

Date Reported: 12/18/24

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

Project Name: Merchant CTB
Workorder: E412103
Date Received: 12/13/2024 8:00:04AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

- FS 289 - 4’ 6
- FS 290 - 4’ 7
- FS 291 - 4’ 8
- FS 292 - 4’ 9
- FS 53 - 2’ 10
- FS 99 - 1’ 11
- FS 106 - 1’ 12
- FS 115 - 1’ 13
- FS 137 - 1’ 14
- FS 160 - 1’ 15
- FS 277 - 4’ 16
- FS 284 - 4’ 17
- FS 285 - 4’ 18
- FS 245 - 4’ 19
- FS 98 - 1’ 20
- FS 213 - 4’ 21

QC Summary Data 22

- QC - Volatile Organics by EPA 8021B 22
- QC - Nonhalogenated Organics by EPA 8015D - GRO 23
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A 25

Definitions and Notes 26

Chain of Custody etc. 27

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/24 12:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 289 - 4'	E412103-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 290 - 4'	E412103-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 291 - 4'	E412103-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 292 - 4'	E412103-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 53 - 2'	E412103-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 99 - 1'	E412103-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 106 - 1'	E412103-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 115 - 1'	E412103-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 137 - 1'	E412103-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 160 - 1'	E412103-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 277 - 4'	E412103-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 284 - 4'	E412103-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 285 - 4'	E412103-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 245 - 4'	E412103-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 98 - 1'	E412103-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS 213 - 4'	E412103-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 289 - 4'

E412103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 290 - 4'

E412103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450132
Chloride	**50.7**	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 291 - 4'

E412103-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450132
Chloride	**30.1**	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 292 - 4'

E412103-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 53 - 2'

E412103-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 99 - 1'

E412103-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 106 - 1'

E412103-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 115 - 1'

E412103-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 137 - 1'

E412103-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*136 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	**21.4**	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 160 - 1'

E412103-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*129 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 277 - 4'

E412103-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*132 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	**30.3**	20.0	1	12/13/24	12/13/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 284 - 4'

E412103-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	**313**	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 285 - 4'

E412103-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*137 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	**159**	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 245 - 4'

E412103-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*130 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 98 - 1'

E412103-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*127 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

FS 213 - 4'

E412103-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*12/13/24*	*12/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450135
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/18/24	
Surrogate: n-Nonane		*130 %*	*50-200*	*12/13/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450132
Chloride	**281**	20.0	1	12/13/24	12/14/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450130-BLK1)									Prepared: 12/13/24 Analyzed: 12/15/24
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	*6.72*		*8.00*		*84.0*	*70-130*			
LCS (2450130-BS1)									Prepared: 12/13/24 Analyzed: 12/15/24
Benzene	4.96	0.0250	5.00		99.1	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.88	0.0250	5.00		97.6	70-130			
o-Xylene	4.75	0.0250	5.00		95.0	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130			
Total Xylenes	14.5	0.0250	15.0		96.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS Dup (2450130-BSD1)									Prepared: 12/13/24 Analyzed: 12/15/24
Benzene	5.44	0.0250	5.00		109	70-130	9.33	20	
Ethylbenzene	5.25	0.0250	5.00		105	70-130	9.35	20	
Toluene	5.36	0.0250	5.00		107	70-130	9.28	20	
o-Xylene	5.21	0.0250	5.00		104	70-130	9.28	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	9.19	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	9.22	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.00*		*8.00*		*87.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450130-BLK1)									Prepared: 12/13/24 Analyzed: 12/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			
LCS (2450130-BS2)									Prepared: 12/13/24 Analyzed: 12/15/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.2*	*70-130*			
LCS Dup (2450130-BSD2)									Prepared: 12/13/24 Analyzed: 12/15/24
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.3	70-130	1.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450135-BLK1)									Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*50-200*			
LCS (2450135-BS1)									Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	*54.1*		*50.0*		*108*	*50-200*			
Matrix Spike (2450135-MS1)				**Source: E412103-05**					Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2450135-MSD1)				**Source: E412103-05**					Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	2.34	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2024 12:09:47PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450132-BLK1)									Prepared: 12/13/24 Analyzed: 12/13/24
Chloride	ND	20.0							
LCS (2450132-BS1)									Prepared: 12/13/24 Analyzed: 12/13/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2450132-BSD1)									Prepared: 12/13/24 Analyzed: 12/13/24
Chloride	255	20.0	250		102	90-110	0.0624	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/24 12:09

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.

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412103	Job Number 23003.0002	1D 2D 3D Std: Std
Project: Merchant CTB	Address: 3122 National Parks Hwy			NM CO UT TX: NM
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

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				Remarks
1048	12/11/24	Soil	1	FS 284 - 4'		1						X						
1046				290 - 4'		2						X						
1044				291 - 4'		3						X						
1041				292 - 4'		4						X						
1115				53 - 2'		5						X						
1120				99 - 1'		6						X						
1122				106 - 1'		7						X						
1133				115 - 1'		8						X						
1135				137 - 1'		9						X						
1138				160 - 1'		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #:

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel E. and Jenna H.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	12/12/24	7:21	Michelle Gonzales	12.12.24	0721
Michelle Gonzales	12.12.24	1615	Israel M.	12.12.24	1613
Israel M.	12.12.24	2245	Caitlin Mars	12.13.24	800
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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412103	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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

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				
1148	12/11/24	Soil	1	FS277-4'		11						+						
1150				284-4'		12						+						
1158				285-4'		13						+						
1320				245-4'		14						+						
1353				98-1'		15						+						
1357				213-4'		16						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: ~~Cole Burton~~ Israel E. and Jenna H.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	12/12/24	7:21	Michelle Gonzales	12.12.24	0721
Michelle Gonzales	12-12-24	1615		12.12.24	1615
	12.12.24	2245		12.13.24	800

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

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: 12/13/2024 11:01:17AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/13/24 08:00	Work Order ID:	E412103
Phone:	(972) 371-5200	Date Logged In:	12/12/24 15:34	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/19/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

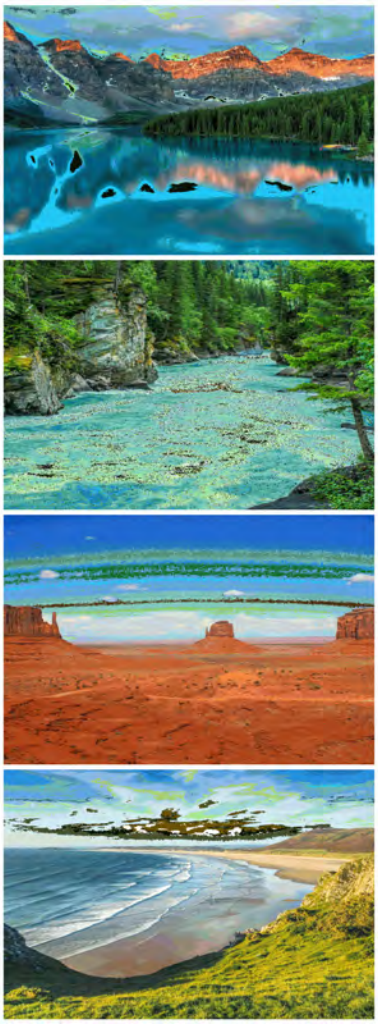
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412119
Job Number:	23003-0002
Received:	12/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/19/24

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

Date Reported: 12/19/24

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

Project Name: Merchant CTB
Workorder: E412119
Date Received: 12/16/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/16/2024 8:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

- SW12-0-2’ 6
- SW13-0-4’ 7
- SW14-0-4’ 8
- SW15-0-4’ 9
- SW16-0-4’ 10
- SW18-0-4’ 11
- SW19-0-4’ 12
- SW22-0-4’ 13
- SW23-0-4’ 14
- SW24-0-4’ 15
- FS313-4’ 16
- FS314-4’ 17
- FS295-4’ 18
- FS297-4’ 19

QC Summary Data 20

- QC - Volatile Organics by EPA 8021B 20
- QC - Nonhalogenated Organics by EPA 8015D - GRO 21
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 22
- QC - Anions by EPA 300.0/9056A 23

Definitions and Notes 24

Table of Contents (continued)

Chain of Custody etc. 25

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/24 13:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW12-0-2'	E412119-01A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW13-0-4'	E412119-02A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW14-0-4'	E412119-03A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW15-0-4'	E412119-04A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW16-0-4'	E412119-05A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW18-0-4'	E412119-06A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW19-0-4'	E412119-07A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW22-0-4'	E412119-08A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW23-0-4'	E412119-09A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SW24-0-4'	E412119-10A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS313-4'	E412119-11A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS314-4'	E412119-12A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS295-4'	E412119-13A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS297-4'	E412119-14A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW12-0-2'

E412119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*128 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**20.3**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW13-0-4'

E412119-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**35.2**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW14-0-4'

E412119-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*132 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**191**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW15-0-4'

E412119-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**20.2**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW16-0-4'

E412119-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**340**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW18-0-4'

E412119-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**186**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW19-0-4'

E412119-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*132 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW22-0-4'

E412119-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*139 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**93.5**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW23-0-4'

E412119-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.9 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*139 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**66.4**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

SW24-0-4'

E412119-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*132 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

FS313-4'

E412119-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*137 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**233**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

FS314-4'

E412119-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	**0.0330**	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*129 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**186**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

FS295-4'

E412119-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*140 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**439**	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

FS297-4'

E412119-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.0 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451012
Diesel Range Organics (C10-C28)	**48.5**	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane		*133 %*	*50-200*	*12/16/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451017
Chloride	**311**	20.0	1	12/16/24	12/16/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451016-BLK1)									Prepared: 12/16/24 Analyzed: 12/16/24
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	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2451016-BS1)									Prepared: 12/16/24 Analyzed: 12/16/24
Benzene	5.26	0.0250	5.00		105	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.10*		*8.00*		*88.7*	*70-130*			
LCS Dup (2451016-BSD1)									Prepared: 12/16/24 Analyzed: 12/17/24
Benzene	5.09	0.0250	5.00		102	70-130	3.23	20	
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130	3.09	20	
Toluene	5.03	0.0250	5.00		101	70-130	3.26	20	
o-Xylene	4.91	0.0250	5.00		98.2	70-130	3.38	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	2.92	20	
Total Xylenes	14.9	0.0250	15.0		99.5	70-130	3.07	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.04*		*8.00*		*88.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451016-BLK1)									Prepared: 12/16/24 Analyzed: 12/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
LCS (2451016-BS2)									Prepared: 12/16/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			
LCS Dup (2451016-BSD2)									Prepared: 12/16/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.5	70-130	9.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451012-BLK1)									Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*64.9*		*50.0*		*130*	*50-200*			
LCS (2451012-BS1)									Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	297	25.0	250		119	38-132			
Surrogate: n-Nonane	*62.5*		*50.0*		*125*	*50-200*			
Matrix Spike (2451012-MS1)				**Source: E412088-34**					Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	*59.6*		*50.0*		*119*	*50-200*			
Matrix Spike Dup (2451012-MSD1)				**Source: E412088-34**					Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	295	25.0	250		118	38-132	1.85	20	
Surrogate: n-Nonane	*59.8*		*50.0*		*120*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:57:23PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451017-BLK1)									Prepared: 12/16/24 Analyzed: 12/16/24
Chloride	ND	20.0							
LCS (2451017-BS1)									Prepared: 12/16/24 Analyzed: 12/16/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2451017-BSD1)									Prepared: 12/16/24 Analyzed: 12/16/24
Chloride	253	20.0	250		101	90-110	0.115	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/24 13:57

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412119	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23C05-0012		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

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
949	12/12/24	Soil	1	SW12-0-2'		1						X		
951				13-0-4'		2						X		
953				14		3						X		
955				15		4						X		
957				16		5						X		
1001				18		6						X		
1003				19		7						X		
1009				22		8						X		
1011				23		9						X		
1013				24		10						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/13/24	7:45	Michelle Gonzales	12.13.24	0745
Michelle Gonzales	12-13-24	1600		12.13.24	1630
	12.13.24	2300	Caitlin Mason	12/14/24	800

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412119	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 23003.0002		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

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				Remarks
1336	12/12/24	Soil	1	FS289-4'		11						X						
1338	↓	↓	↓	290		12						X						
1349	↓	↓	↓	295		13						X						
1354	↓	↓	↓	297		14						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/13/24	7:45	Michelle Gonzales	12.13.24	0745
Michelle Gonzales	12.13.24	1600	[signature]	12.13.24	1630
[signature]	12.13.24	2300	Caitlin Mac	12/14/24	800

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

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: 12/16/2024 9:53:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/16/24 08:00	Work Order ID:	E412119
Phone:	(972) 371-5200	Date Logged In:	12/13/24 16:46	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/20/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412119	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 03C05-0012		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

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				Remarks
949	12/12/24	Soil	1	SW12-02'		1						X						
951				13-0-4'		2						X						
953				14		3						X						
955				15		4						X						
957				16		5						X						
1001				18		6						X						
1003				19		7						X						
1009				22		8						X						
1011				23		9						X						
1013	↓	↓	↓	24		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/13/24	7:45	Michelle Gonzales	12.13.24	0745
Michelle Gonzales	12-13-24	1600	[signature]	12.13.24	1630
[signature]	12.13.24	2300	Caitlin Mason	12/14/24	800
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

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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Page 778 of 983

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412119	Job Number 23003.0002	1D 2D 3D Std: X
Project: Merchant CTB	Address: 3122 National Parks Hwy			NM: X CO UT TX
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

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				Remarks
1336	12/12/24	Soil	1	~~FS 290~~ A' FS 313-4'		11						X						Per Chad,
1338	↓	↓	↓	~~290~~ FS 314-4'		12						X						charge sample
1349	↓	↓	↓	295		13						X						names.
1354	↓	↓	↓	297		14						X						NS 12/19/24

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/13/24	7:45	Michelle Gonzales	12.13.24	0745
Michelle Gonzales	12.13.24	1600	[signature] H.	12.13.24	1630
[signature] H.	12.13.24	2300	Caitlin Mason	12/14/24	800
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

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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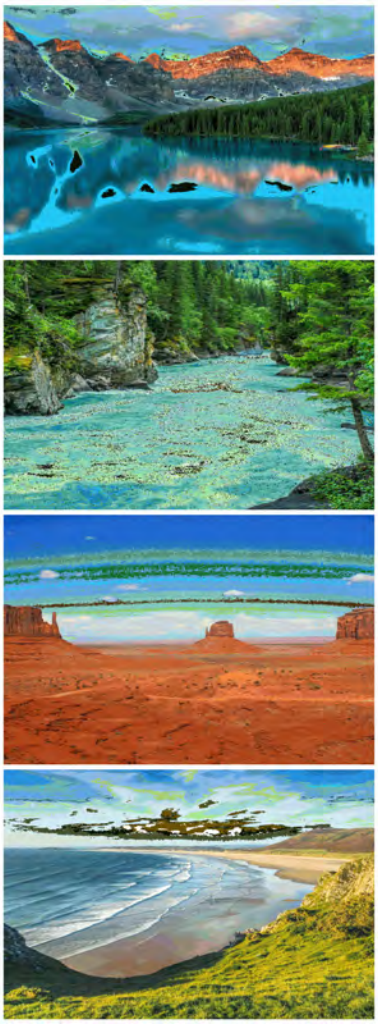
Page 779 of 983

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412129
Job Number:	23003-0002
Received:	12/17/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/31/24

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

Date Reported: 12/31/24

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

Project Name: Merchant CTB
Workorder: E412129
Date Received: 12/17/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/17/2024 7:00:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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Laboratory Administrator
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mgonzales@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 6

SW17- 0-4’ 6

SW20- 0-4’ 7

SW21- 0-4’ 8

FS155-1.5’ 9

FS311-8’ 10

FS296-6’ 11

FS312-8’ 12

FS293-6’ 13

FS294-6’ 14

FS299-6’ 15

FS298-6’ 16

FS307-4’ 17

FS300-6.5’ 18

QC Summary Data 19

QC - Volatile Organics by EPA 8021B 19

QC - Nonhalogenated Organics by EPA 8015D - GRO 20

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 21

QC - Anions by EPA 300.0/9056A 22

Definitions and Notes 24

Chain of Custody etc. 25

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/24 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW17- 0-4'	E412129-01A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
SW20- 0-4'	E412129-02A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
SW21- 0-4'	E412129-03A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS155-1.5'	E412129-04A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS311-8'	E412129-05A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS296-6'	E412129-06A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS312-8'	E412129-07A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS286-4.5'	E412129-08A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS287-4.5'	E412129-09A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS288-4.5'	E412129-10A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS293-6'	E412129-11A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS294-6'	E412129-12A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS299-6'	E412129-13A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS298-6'	E412129-14A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS307-4'	E412129-15A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS300-6.5'	E412129-16A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.

Case Narative:

Project Name: Merchant CTB
Workorder:E412129
Date Received: 12/17/24 07:00

The client requested the following sample(s) to be re-extracted and re-analyzed:

Sample Name	Laboratory ID	Analysis
FS307-4'	E412129-15	300.0/9056A Chloride

The analytical test results summarized in this revised report represent this re-extration and re-analysis.

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

Respectfully,

Walter Hinchman

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

SW17- 0-4'

E412129-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**33.1**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

SW20- 0-4'

E412129-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	**42.9**	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	**50.8**	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**120**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

SW21- 0-4'

E412129-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**103**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS155-1.5'

E412129-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	**58.1**	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**301**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS311-8'

E412129-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.0 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**87.7**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS296-6'

E412129-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS312-8'

E412129-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.5 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**527**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS293-6'

E412129-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**372**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS294-6'

E412129-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**390**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS299-6'

E412129-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**301**	20.0	1	12/17/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS298-6'

E412129-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**38.7**	20.0	1	12/17/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS307-4'

E412129-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2452003
Chloride	**748**	20.0	1	12/17/24	12/23/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

FS300-6.5'

E412129-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451027
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451032
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/19/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/17/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451033
Chloride	**247**	20.0	1	12/17/24	12/18/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451027-BLK1)									Prepared: 12/17/24 Analyzed: 12/18/24
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	*6.74*		*8.00*		*84.3*	*70-130*			
LCS (2451027-BS1)									Prepared: 12/17/24 Analyzed: 12/18/24
Benzene	4.76	0.0250	5.00		95.3	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.8	70-130			
Toluene	4.73	0.0250	5.00		94.6	70-130			
o-Xylene	4.59	0.0250	5.00		91.8	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.88*		*8.00*		*85.9*	*70-130*			
LCS Dup (2451027-BSD1)									Prepared: 12/17/24 Analyzed: 12/18/24
Benzene	4.93	0.0250	5.00		98.7	70-130	3.51	20	
Ethylbenzene	4.82	0.0250	5.00		96.3	70-130	3.80	20	
Toluene	4.90	0.0250	5.00		98.0	70-130	3.55	20	
o-Xylene	4.77	0.0250	5.00		95.4	70-130	3.86	20	
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130	3.75	20	
Total Xylenes	14.6	0.0250	15.0		97.0	70-130	3.78	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.92*		*8.00*		*86.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2451027-BLK1)									Prepared: 12/17/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS (2451027-BS2)									Prepared: 12/17/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS Dup (2451027-BSD2)									Prepared: 12/17/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130	1.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451032-BLK1)									Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
LCS (2451032-BS1)									Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*50-200*			
Matrix Spike (2451032-MS1)				**Source: E412129-05**					Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.7	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2451032-MSD1)				**Source: E412129-05**					Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	14.3	20	
Surrogate: n-Nonane	*58.2*		*50.0*		*116*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

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 (2451033-BLK1)									Prepared: 12/17/24 Analyzed: 12/17/24
Chloride	ND	20.0							
LCS (2451033-BS1)									Prepared: 12/17/24 Analyzed: 12/17/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2451033-BSD1)									Prepared: 12/17/24 Analyzed: 12/17/24
Chloride	257	20.0	250		103	90-110	0.217	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/2024 2:48:58PM

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 (2452003-BLK1)									Prepared: 12/23/24 Analyzed: 12/23/24
Chloride	ND	20.0							
LCS (2452003-BS1)									Prepared: 12/23/24 Analyzed: 12/23/24
Chloride	256	20.0	250		102	90-110			
LCS Dup (2452003-BSD1)									Prepared: 12/23/24 Analyzed: 12/23/24
Chloride	257	20.0	250		103	90-110	0.364	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/31/24 14:48

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E ~~412129~~ E412129	Job Number 23003-0002	1D 2D 3D Std: Std X
Project: Merchant CTB	Address: 3122 National Parks Hwy			NM X, CO, UT, TX
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				

RAB 12/17/24

Sample Information

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	Remarks
1012	12/13/24	soil	1	SW17-0-4'		1						X			
1015				20		2						X			
1807				21		3						X			
1008				FS155-1-5'		4						X			
1022				291-8'		5						X			
1023				296-6'		6						X			
1127				292-8'		7						X			
1200				286-4.5		8						X			
1202				287		9						X			
1204				288		10						X			

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/16/24	8:01	Michelle Gonzales	12.16.24	0801
Michelle Gonzales	12.16.24	1640	[signature] M.	12.16.24	1700
[signature] M	12.16.24	2400	Brianna Teleworm	12/17/24	7:00
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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E ~~4112129~~ E412129	Job Number 2300 3.0002	1D 2D 3D Std: X
Project: Merchant CTB	Address: 3122 National Parks Hwy			NM: X CO UT TX
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				

RAS 12/11+TM

Sample Information

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	Remarks
1207	12/13/24	Soil	1	FS293-4'		11						X			
1209				294		12						X			
1213				299		13						X			
1300				298		14						X			
1320				307-A'		15						X			
1351				300-6.5'		16						X			

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/16/24	8:01	Michelle Gonzales	12.16.24	0801
Michelle Gonzales	12.16.24	1640	[signature] M.	12.16.24	1700
[signature] M.	12.16.24	2400			

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

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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envirotech

Envirotech Analytical Laboratory

Printed: 12/17/2024 7:51:30AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/17/24 07:00	Work Order ID:	E412129
Phone:	(972) 371-5200	Date Logged In:	12/16/24 15:11	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/23/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# ~~E412128~~ E412129 RAS 12/17/24	Job Number 23003-0002	1D 2D 3D Std: Std X	NM X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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

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				Remarks
1012	12/13/24	soil	1	SW17-0-1'		1						X						Per Chad, cancelled samples and charged sample names. NS 12/19/24
1015	↓	↓	↓	20		2						X						
1807				21		3						X						
1008				FS155-1.5'		4						X						
1022				~~291~~-8' FS311-8'		5						X						
1023				296-6'		6						X						
1127				~~292~~-8' FS312-8'		7						X						
~~1200~~				286-4.5		8						X						cancelled
~~1202~~				287		9						X						↓
~~1204~~	↓	↓	↓	288	↓	10						X						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com

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Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/16/24	8:01	Michelle Gonzales	12-16-24	0801
Michelle Gonzales	12.16.24	1640		12.16.24	1700
	12.16.24	2400	Rhonda Lehrmann	12/17/24	7:00

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

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E ~~412123~~ E412129	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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				

RAN 12/17/24

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

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	Remarks
1207	12/13/24	Soil	1	FS293-6'		11						X			Re-run per C. Hamilton
1209				294		12						X			
1213				299		13						X			
1300				298		14						X			
1320				307-A'		15					X	X			
1351				300-6.5'		16						X			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com

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Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/16/24	8:01	Michelle Gonzales	12.16.24	0801
Michelle Gonzales	12.16.24	1640	[signature]	12.16.24	1700
[signature]	12.16.24	2400			
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

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E412136
Job Number:	23003-0002
Received:	12/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/20/24

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

Date Reported: 12/20/24

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

Project Name: Merchant CTB
Workorder: E412136
Date Received: 12/18/2024 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2024 8:15:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

SW 25 - 0’-4’ 6

SW 26 - 0’-4’ 7

SW 27 - 0’-4’ 8

SW 28 - 0’-4’ 9

SW 29 - 0’-4’ 10

SW 30 - 0’-4’ 11

FS 301 - 5’ 12

FS 302 - 5’ 13

FS 303 - 5’ 14

FS 304 - 5’ 15

FS 305 - 5’ 16

FS 308 - 4’ 17

FS 309 - 4’ 18

FS 310 - 4’ 19

FS 187 - 0.5’ 20

FS 188 - 0.5’ 21

FS 189 - 0.5’ 22

FS 192 - 0.5’ 23

FS 194 - 0.5’ 24

FS 195 - 0.5’ 25

Table of Contents (continued)

FS 196 - 0.5’ 26

FS 198 - 5.5’ 27

FS 202 - 5.5’ 28

FS 306 - 5’ 29

QC Summary Data 30

QC - Volatile Organics by EPA 8021B 30

QC - Nonhalogenated Organics by EPA 8015D - GRO 32

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 34

QC - Anions by EPA 300.0/9056A 36

Definitions and Notes 38

Chain of Custody etc. 39

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 15:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 25 - 0'-4'	E412136-01A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW 26 - 0'-4'	E412136-02A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW 27 - 0'-4'	E412136-03A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW 28 - 0'-4'	E412136-04A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW 29 - 0'-4'	E412136-05A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW 30 - 0'-4'	E412136-06A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 301 - 5'	E412136-07A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 302 - 5'	E412136-08A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 303 - 5'	E412136-09A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 304 - 5'	E412136-10A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 305 - 5'	E412136-11A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 308 - 4'	E412136-12A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 309 - 4'	E412136-13A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 310 - 4'	E412136-14A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 187 - 0.5'	E412136-15A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 188 - 0.5'	E412136-16A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 189 - 0.5'	E412136-17A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 192 - 0.5'	E412136-18A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 194 - 0.5'	E412136-19A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 195 - 0.5'	E412136-20A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 196 - 0.5'	E412136-21A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 198 - 5.5'	E412136-22A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 202 - 5.5'	E412136-23A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS 306 - 5'	E412136-24A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

SW 25 - 0'-4'

E412136-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**61.8**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

SW 26 - 0'-4'

E412136-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

SW 27 - 0'-4'

E412136-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**24.1**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

SW 28 - 0'-4'

E412136-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**34.3**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

SW 29 - 0'-4'

E412136-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**25.8**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

SW 30 - 0'-4'

E412136-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**21.4**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 301 - 5'

E412136-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**198**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 302 - 5'

E412136-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 303 - 5'

E412136-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 304 - 5'

E412136-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**152**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 305 - 5'

E412136-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 308 - 4'

E412136-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**113**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 309 - 4'

E412136-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**113**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 310 - 4'

E412136-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**282**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 187 - 0.5'

E412136-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**33.7**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 188 - 0.5'

E412136-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 189 - 0.5'

E412136-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**32.4**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 192 - 0.5'

E412136-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**48.8**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 194 - 0.5'

E412136-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 195 - 0.5'

E412136-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451048
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451054
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2451047
Chloride	**23.4**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 196 - 0.5'

E412136-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.1 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451056
Diesel Range Organics (C10-C28)	**102**	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	**50.2**	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451057
Chloride	ND	20.0	1	12/18/24	12/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 198 - 5.5'

E412136-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*83.4 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451057
Chloride	**66.4**	20.0	1	12/18/24	12/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 202 - 5.5'

E412136-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451057
Chloride	ND	20.0	1	12/18/24	12/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

FS 306 - 5'

E412136-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*12/18/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451057
Chloride	ND	20.0	1	12/18/24	12/19/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451048-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
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	*7.68*		*8.00*		*96.0*	*70-130*			
LCS (2451048-BS1)									Prepared: 12/18/24 Analyzed: 12/18/24
Benzene	5.41	0.0250	5.00		108	70-130			
Ethylbenzene	5.28	0.0250	5.00		106	70-130			
Toluene	5.38	0.0250	5.00		108	70-130			
o-Xylene	5.29	0.0250	5.00		106	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.0	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
LCS Dup (2451048-BSD1)									Prepared: 12/18/24 Analyzed: 12/18/24
Benzene	5.38	0.0250	5.00		108	70-130	0.476	20	
Ethylbenzene	5.27	0.0250	5.00		105	70-130	0.237	20	
Toluene	5.35	0.0250	5.00		107	70-130	0.436	20	
o-Xylene	5.28	0.0250	5.00		106	70-130	0.211	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	0.134	20	
Total Xylenes	16.0	0.0250	15.0		107	70-130	0.159	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451053-BLK1)									Prepared: 12/18/24 Analyzed: 12/19/24
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	*6.88*		*8.00*		*85.9*	*70-130*			
LCS (2451053-BS1)									Prepared: 12/18/24 Analyzed: 12/19/24
Benzene	5.14	0.0250	5.00		103	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS Dup (2451053-BSD1)									Prepared: 12/18/24 Analyzed: 12/19/24
Benzene	5.27	0.0250	5.00		105	70-130	2.45	20	
Ethylbenzene	5.14	0.0250	5.00		103	70-130	2.46	20	
Toluene	5.24	0.0250	5.00		105	70-130	2.47	20	
o-Xylene	5.11	0.0250	5.00		102	70-130	2.45	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	2.37	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	2.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.89*		*8.00*		*86.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2451048-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.36*		*8.00*		*92.0*	*70-130*			
LCS (2451048-BS2)									Prepared: 12/18/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*93.9*	*70-130*			
LCS Dup (2451048-BSD2)									Prepared: 12/18/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.1	70-130	15.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2451053-BLK1)									Prepared: 12/18/24 Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.8*	*70-130*			
LCS (2451053-BS2)									Prepared: 12/18/24 Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS Dup (2451053-BSD2)									Prepared: 12/18/24 Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.3	70-130	6.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451054-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*50-200*			
LCS (2451054-BS1)									Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	*61.3*		*50.0*		*123*	*50-200*			
Matrix Spike (2451054-MS1)				**Source: E412136-04**					Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	*61.1*		*50.0*		*122*	*50-200*			
Matrix Spike Dup (2451054-MSD1)				**Source: E412136-04**					Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132	2.26	20	
Surrogate: n-Nonane	*57.7*		*50.0*		*115*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451056-BLK1)									Prepared: 12/18/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*63.1*		*50.0*		*126*	*50-200*			
LCS (2451056-BS1)									Prepared: 12/18/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	296	25.0	250		118	38-132			
Surrogate: n-Nonane	*61.1*		*50.0*		*122*	*50-200*			
Matrix Spike (2451056-MS1)				**Source: E412134-01**					Prepared: 12/18/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	*59.1*		*50.0*		*118*	*50-200*			
Matrix Spike Dup (2451056-MSD1)				**Source: E412134-01**					Prepared: 12/18/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	38-132	9.44	20	
Surrogate: n-Nonane	*66.7*		*50.0*		*133*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451047-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
Chloride	ND	20.0							
LCS (2451047-BS1)									Prepared: 12/18/24 Analyzed: 12/18/24
Chloride	256	20.0	250		102	90-110			
LCS Dup (2451047-BSD1)									Prepared: 12/18/24 Analyzed: 12/18/24
Chloride	256	20.0	250		102	90-110	0.160	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 3:02:57PM

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 (2451057-BLK1)									Prepared: 12/18/24 Analyzed: 12/19/24
Chloride	ND	20.0							
LCS (2451057-BS1)									Prepared: 12/18/24 Analyzed: 12/19/24
Chloride	252	20.0	250		101	90-110			
LCS Dup (2451057-BSD1)									Prepared: 12/18/24 Analyzed: 12/19/24
Chloride	253	20.0	250		101	90-110	0.127	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 15:02

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412136	Job Number 23003-0002	1D 2D 3D Std: Std X
Project: Merchant CTB	Address: 3122 National Parks Hwy			NM X, CO, UT, TX
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

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
1154	12/16/24	Soil	1	SW25-0-4'		1						X		
1157				26		2						X		
1159				27		3						X		
1200				28		4						X		
1201				29		5						X		
1203				30		6						X		
1220				FS301-5'		7						X		
1222				302		8						X		
1224				303		9						X		
1226				304		10						X		

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: Israel Estrella / Oluwale A.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/17/24	9:10	Michelle Gonzales	12-17-24	0910
Michelle Gonzales	12-17-24	1640	[signature]	12.17.24	1640
[signature]	12.17.24	2315	Joe Soto	12-18-24	0815
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

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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Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412136	Job Number 23003-0002	1D 2D 3D Std: Std X	NM X CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy			
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

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				Remarks
1228	12/16/24	Soil	1	FS 305-5'		11						X						
1233				308-4'		12						X						
1235				309		13						X						
1237				310		14						X						
1242				187-.5'		15						X						
1249				188		16						X						
1246				189		17						X						
1248				192		18						X						
1250				194		19						X						
1252				195		20						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrella / Oluwale A.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/17/24	9:10	Michelle Gonzales	12-17-24	0910
Michelle Gonzales	12.17.24	1640	[signature]	12.17.24	1640
[signature]	12.17.24	2315	Noe Soto	12.18.24	0815
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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E412136	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project: Merchant GB	Address: 3122 National Parks Hwy			
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

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
1254	12/16/24	Soil	1	FS196-.5'		21						X		
1256	↓	↓	↓	198-5.5'		22						X		
1258				202-5.5'		23						X		
1303	↓	↓	↓	306-5'		24						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: 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: Israel Estrella / Olivia A.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12/17/24	9:10	Michelle Gonzales	12.17.24	0910
Michelle Gonzales	12.17.24	1640	[signature]	12.17.24	1640
[signature]	12.17.24	2315	Noe Soto	12-18-24	0815
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

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: 12/18/2024 10:53:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/18/24 08:15	Work Order ID:	E412136
Phone:	(972) 371-5200	Date Logged In:	12/17/24 16:36	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/24/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

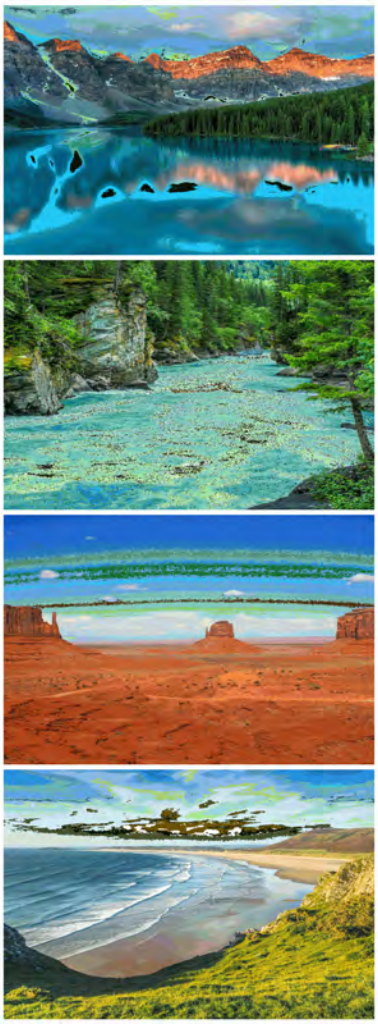
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E501003
Job Number:	23003-0002
Received:	1/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/3/25

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

Date Reported: 1/3/25

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

Project Name: Merchant CTB
Workorder: E501003
Date Received: 1/3/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/3/2025 6:30:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS196-.5’ 5

FS200-5.5’ 6

FS307-5’ 7

QC Summary Data 8

QC - Volatile Organics by EPA 8021B 8

QC - Nonhalogenated Organics by EPA 8015D - GRO 9

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10

QC - Anions by EPA 300.0/9056A 11

Definitions and Notes 12

Chain of Custody etc. 13

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/03/25 12:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS196-.5'	E501003-01A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
FS200-5.5'	E501003-02A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
FS307-5'	E501003-03A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/3/2025 12:43:51PM

FS196-.5'

E501003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2501027
Benzene	ND	0.0250	1	01/03/25	01/03/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/03/25	
Toluene	ND	0.0250	1	01/03/25	01/03/25	
o-Xylene	ND	0.0250	1	01/03/25	01/03/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/03/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*01/03/25*	*01/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2501027
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*01/03/25*	*01/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2501017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/03/25	01/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/03/25	01/03/25	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/03/25*	*01/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2501029
Chloride	**60.0**	20.0	1	01/03/25	01/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/3/2025 12:43:51PM

FS200-5.5'

E501003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2501027
Benzene	ND	0.0250	1	01/03/25	01/03/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/03/25	
Toluene	ND	0.0250	1	01/03/25	01/03/25	
o-Xylene	ND	0.0250	1	01/03/25	01/03/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/03/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*01/03/25*	*01/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2501027
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*01/03/25*	*01/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2501017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/03/25	01/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/03/25	01/03/25	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/03/25*	*01/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2501029
Chloride	**75.7**	20.0	1	01/03/25	01/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/3/2025 12:43:51PM

FS307-5'

E501003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2501027
Benzene	ND	0.0250	1	01/03/25	01/03/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/03/25	
Toluene	ND	0.0250	1	01/03/25	01/03/25	
o-Xylene	ND	0.0250	1	01/03/25	01/03/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/03/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*01/03/25*	*01/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2501027
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/03/25*	*01/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2501017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/03/25	01/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/03/25	01/03/25	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*01/03/25*	*01/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2501029
Chloride	**76.9**	20.0	1	01/03/25	01/03/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/3/2025 12:43:51PM

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 (2501027-BLK1)									Prepared: 01/03/25 Analyzed: 01/03/25
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	*7.10*		*8.00*		*88.7*	*70-130*			
LCS (2501027-BS1)									Prepared: 01/03/25 Analyzed: 01/03/25
Benzene	4.82	0.0250	5.00		96.3	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.5	70-130			
Toluene	4.85	0.0250	5.00		96.9	70-130			
o-Xylene	4.80	0.0250	5.00		96.0	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.10*		*8.00*		*88.8*	*70-130*			
LCS Dup (2501027-BSD1)									Prepared: 01/03/25 Analyzed: 01/03/25
Benzene	4.98	0.0250	5.00		99.5	70-130	3.30	20	
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130	3.22	20	
Toluene	5.01	0.0250	5.00		100	70-130	3.29	20	
o-Xylene	4.93	0.0250	5.00		98.6	70-130	2.73	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	3.08	20	
Total Xylenes	14.9	0.0250	15.0		99.6	70-130	2.97	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.09*		*8.00*		*88.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/3/2025 12:43:51PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2501027-BLK1)									Prepared: 01/03/25 Analyzed: 01/03/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
LCS (2501027-BS2)									Prepared: 01/03/25 Analyzed: 01/03/25
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
LCS Dup (2501027-BSD2)									Prepared: 01/03/25 Analyzed: 01/03/25
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.4	70-130	0.164	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/3/2025 12:43:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2501017-BLK1)									Prepared: 01/03/25 Analyzed: 01/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.4*		*50.0*		*98.8*	*50-200*			
LCS (2501017-BS1)									Prepared: 01/03/25 Analyzed: 01/03/25
Diesel Range Organics (C10-C28)	264	25.0	250		106	38-132			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*50-200*			
LCS Dup (2501017-BSD1)									Prepared: 01/03/25 Analyzed: 01/03/25
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132	4.38	20	
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/3/2025 12:43:51PM

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 (2501029-BLK1)									Prepared: 01/03/25 Analyzed: 01/03/25
Chloride	ND	20.0							
LCS (2501029-BS1)									Prepared: 01/03/25 Analyzed: 01/03/25
Chloride	258	20.0	250		103	90-110			
LCS Dup (2501029-BSD1)									Prepared: 01/03/25 Analyzed: 01/03/25
Chloride	257	20.0	250		103	90-110	0.452	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/03/25 12:43

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E501003	1D 2D 3D Std	NM CO UT TX
Project: Merchant CB	Address: 3122 National Parks Hwy	Job Number 23C3.0002	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

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	Remarks
1015	12/31/24	Soil	1	FS196 -5'		1						X			
954	↓	↓	↓	200 -5.5'		2						X			
957	↓	↓	↓	307 -5'		3						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	01/02/25	9:01	Michelle Gonzales	01-02-25	0901
Michelle Gonzales	1-2-25	1600	A.M.	1.2.25	1700
A.M.	1.2.25	2400	Caitlin Mars	1.3.25	0630
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

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: 1/3/2025 7:49:07AM

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:	01/03/25 06:30	Work Order ID:	E501003
Phone:	(972) 371-5200	Date Logged In:	01/02/25 14:55	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/03/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E502102
Job Number:	23003-0002
Received:	2/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/18/25

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: 2/18/25

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

Project Name: Merchant CTB
Workorder: E502102
Date Received: 2/13/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/13/2025 7:45:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

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

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

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH01 @ 4’ 5
- PH01 @ 5’ 6
- PH02 @ 4’ 7
- PH02 @ 5’ 8
- PH03 @ 4’ 9
- PH03 @ 5’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/18/25 09:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 @ 4'	E502102-01A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
PH01 @ 5'	E502102-02A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
PH02 @ 4'	E502102-03A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
PH02 @ 5'	E502102-04A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
PH03 @ 4'	E502102-05A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
PH03 @ 5'	E502102-06A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

PH01 @ 4'

E502102-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2507089
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507088
Chloride	**27.7**	20.0	1	02/13/25	02/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

PH01 @ 5'

E502102-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.0 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2507089
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507088
Chloride	**22.8**	20.0	1	02/13/25	02/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

PH02 @ 4'

E502102-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2507089
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507088
Chloride	ND	20.0	1	02/13/25	02/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

PH02 @ 5'

E502102-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2507089
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507088
Chloride	ND	20.0	1	02/13/25	02/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

PH03 @ 4'

E502102-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2507089
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507088
Chloride	ND	20.0	1	02/13/25	02/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

PH03 @ 5'

E502102-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2507089
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507088
Chloride	ND	20.0	1	02/13/25	02/13/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

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 (2507086-BLK1)									Prepared: 02/13/25 Analyzed: 02/14/25
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	*6.99*		*8.00*		*87.3*	*70-130*			
LCS (2507086-BS1)									Prepared: 02/13/25 Analyzed: 02/14/25
Benzene	4.99	0.0250	5.00		99.9	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.3	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
o-Xylene	4.81	0.0250	5.00		96.3	70-130			
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.2*	*70-130*			
Matrix Spike (2507086-MS1)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.7*	*70-130*			
Matrix Spike Dup (2507086-MSD1)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Benzene	5.14	0.0250	5.00	ND	103	54-133	1.91	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.3	61-133	1.87	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	1.84	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	1.69	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	1.87	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	1.81	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.00*		*8.00*		*87.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2507086-BLK1)									Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2507086-BS2)									Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2507086-MS2)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2507086-MSD2)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	82.9	70-130	5.91	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2507089-BLK1)									Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
LCS (2507089-BS1)									Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	251	25.0	250		100	66-144			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*61-141*			
Matrix Spike (2507089-MS1)				**Source: E502101-04**					Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2507089-MSD1)				**Source: E502101-04**					Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	4.18	20	
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:18:51AM

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 (2507088-BLK1)									Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	ND	20.0							
LCS (2507088-BS1)									Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2507088-MS1)				**Source: E502099-02**					Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	409	20.0	250	155	102	80-120			
Matrix Spike Dup (2507088-MSD1)				**Source: E502099-02**					Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	417	20.0	250	155	105	80-120	1.73	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/18/25 09:18

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM

Received by OCD: 4/11/2025 8:58:19 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502102	1D 2D 3D Std	NM CO UT TX
Project: Merchant CTB	Address: 3122 National Parks Hwy	Job Number 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

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	Remarks
10:35	2/11/2025	S	1	PH01 @ 4'		1						X			
10:39	2/11/2025	S	1	PH01 @ 5'		2						X			
11:07	2/11/2025	S	1	PH02 @ 4'		3						X			
11:09	2/11/2025	S	1	PH02 @ 5'		4						X			
10:57	2/11/2025	S	1	PH03 @ 4'		5						X			
10:59	2/11/2025	S	1	PH03 @ 5'		6						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@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: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2-12-25	0800	Michelle Gonzales	2-12-25	0800
Michelle Gonzales	2-12-25	1530	Richard Gonzales	2-12-25	1530
Richard Gonzales	2-12-25	2130	[signature]	2.13.24	745
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

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.

Page 880 of 883

envirotech

Envirotech Analytical Laboratory

Printed: 2/13/2025 10:57:16AM

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:	02/13/25 07:45	Work Order ID:	E502102
Phone:	(972) 371-5200	Date Logged In:	02/12/25 15:22	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/19/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

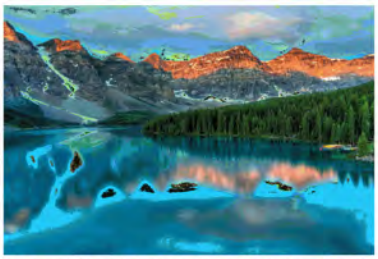
Signature of client authorizing changes to the COC or sample disposition.

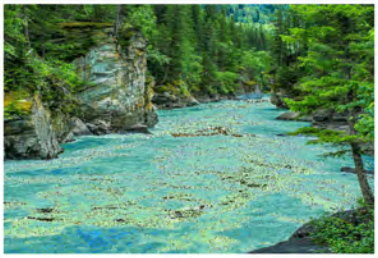
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Merchant CTB
Work Order:	E504022
Job Number:	23003-0002
Received:	4/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/7/25

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: 4/7/25

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

Project Name: Merchant CTB
Workorder: E504022
Date Received: 4/4/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/4/2025 8:15:00AM, under the Project Name: Merchant CTB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- PH04-4’ 5
- PH04-5’ 6
- PH05-4’ 7
- PH05-5’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/07/25 16:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04-4'	E504022-01A	Soil	04/02/25	04/04/25	Glass Jar, 2 oz.
PH04-5'	E504022-02A	Soil	04/02/25	04/04/25	Glass Jar, 2 oz.
PH05-4'	E504022-03A	Soil	04/02/25	04/04/25	Glass Jar, 2 oz.
PH05-5'	E504022-04A	Soil	04/02/25	04/04/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

PH04-4'

E504022-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Benzene	ND	0.0250	1	04/04/25	04/04/25	
Ethylbenzene	ND	0.0250	1	04/04/25	04/04/25	
Toluene	ND	0.0250	1	04/04/25	04/04/25	
o-Xylene	ND	0.0250	1	04/04/25	04/04/25	
p,m-Xylene	ND	0.0500	1	04/04/25	04/04/25	
Total Xylenes	ND	0.0250	1	04/04/25	04/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/25	04/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2514110
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/25	04/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/25	04/04/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*04/04/25*	*04/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2514112
Chloride	**31.4**	20.0	1	04/04/25	04/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

PH04-5'

E504022-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Benzene	ND	0.0250	1	04/04/25	04/04/25	
Ethylbenzene	ND	0.0250	1	04/04/25	04/04/25	
Toluene	ND	0.0250	1	04/04/25	04/04/25	
o-Xylene	ND	0.0250	1	04/04/25	04/04/25	
p,m-Xylene	ND	0.0500	1	04/04/25	04/04/25	
Total Xylenes	ND	0.0250	1	04/04/25	04/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/25	04/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2514110
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/25	04/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/25	04/04/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*04/04/25*	*04/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2514112
Chloride	**34.5**	20.0	1	04/04/25	04/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

PH05-4'

E504022-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Benzene	ND	0.0250	1	04/04/25	04/04/25	
Ethylbenzene	ND	0.0250	1	04/04/25	04/04/25	
Toluene	ND	0.0250	1	04/04/25	04/04/25	
o-Xylene	ND	0.0250	1	04/04/25	04/04/25	
p,m-Xylene	ND	0.0500	1	04/04/25	04/04/25	
Total Xylenes	ND	0.0250	1	04/04/25	04/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/25	04/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2514110
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/25	04/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/25	04/04/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*04/04/25*	*04/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2514112
Chloride	ND	20.0	1	04/04/25	04/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

PH05-5'

E504022-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Benzene	ND	0.0250	1	04/04/25	04/04/25	
Ethylbenzene	ND	0.0250	1	04/04/25	04/04/25	
Toluene	ND	0.0250	1	04/04/25	04/04/25	
o-Xylene	ND	0.0250	1	04/04/25	04/04/25	
p,m-Xylene	ND	0.0500	1	04/04/25	04/04/25	
Total Xylenes	ND	0.0250	1	04/04/25	04/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2514109
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/25	04/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*04/04/25*	*04/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2514110
Diesel Range Organics (C10-C28)	ND	25.0	1	04/04/25	04/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/04/25	04/04/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*04/04/25*	*04/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2514112
Chloride	**40.1**	20.0	1	04/04/25	04/04/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

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 (2514109-BLK1)									Prepared: 04/04/25 Analyzed: 04/04/25
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	*8.24*		*8.00*		*103*	*70-130*			
LCS (2514109-BS1)									Prepared: 04/04/25 Analyzed: 04/04/25
Benzene	4.62	0.0250	5.00		92.3	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.1	70-130			
Toluene	4.56	0.0250	5.00		91.2	70-130			
o-Xylene	4.47	0.0250	5.00		89.3	70-130			
p,m-Xylene	8.96	0.0500	10.0		89.6	70-130			
Total Xylenes	13.4	0.0250	15.0		89.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.12*		*8.00*		*102*	*70-130*			
LCS Dup (2514109-BSD1)									Prepared: 04/04/25 Analyzed: 04/04/25
Benzene	4.14	0.0250	5.00		82.7	70-130	11.0	20	
Ethylbenzene	4.00	0.0250	5.00		79.9	70-130	10.8	20	
Toluene	4.09	0.0250	5.00		81.9	70-130	10.8	20	
o-Xylene	4.03	0.0250	5.00		80.7	70-130	10.2	20	
p,m-Xylene	8.06	0.0500	10.0		80.6	70-130	10.5	20	
Total Xylenes	12.1	0.0250	15.0		80.6	70-130	10.4	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2514109-BLK1)									Prepared: 04/04/25 Analyzed: 04/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.3*	*70-130*			
LCS (2514109-BS2)									Prepared: 04/04/25 Analyzed: 04/04/25
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			
LCS Dup (2514109-BSD2)									Prepared: 04/04/25 Analyzed: 04/04/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.1	70-130	7.53	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2514110-BLK1)									Prepared: 04/04/25 Analyzed: 04/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
LCS (2514110-BS1)									Prepared: 04/04/25 Analyzed: 04/04/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.1	66-144			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*61-141*			
Matrix Spike (2514110-MS1)				**Source: E504021-04**					Prepared: 04/04/25 Analyzed: 04/04/25
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2514110-MSD1)				**Source: E504021-04**					Prepared: 04/04/25 Analyzed: 04/04/25
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	56-156	3.91	20	
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Merchant CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 4:05:02PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2514112-BLK1)									Prepared: 04/04/25 Analyzed: 04/07/25
Chloride	ND	20.0							
LCS (2514112-BS1)									Prepared: 04/04/25 Analyzed: 04/07/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2514112-MS1)				**Source: E504022-02**					Prepared: 04/04/25 Analyzed: 04/07/25
Chloride	298	20.0	250	34.5	106	80-120			
Matrix Spike Dup (2514112-MSD1)				**Source: E504022-02**					Prepared: 04/04/25 Analyzed: 04/07/25
Chloride	296	20.0	250	34.5	104	80-120	0.914	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:	Merchant CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/07/25 16:05

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/22/2025 3:44:39 PM
Received by OCD: 4/11/2025 8:58:19 AM

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: Merchant CTB	Address: 3122 National Parks Hwy	E504022	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

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				Remarks
1158	4/2/25	S	1	PH04 - 4'		1						X						
1200	4/2/25	S	1	PH04 - 5'		2						X						
1217	4/2/25	S	1	PH05 - 4'		3						X						
1222	4/2/25	S	1	PH05 - 5'		4						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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 Ryan Rai

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/3/25		Michelle Gonzales	4.3.25	1000
Michelle Gonzales	4-3-25	1620	Andrew H.	4.3.25	1630
Andrew H.	4.3.25	2230	Caitlin Mars	4.4.25	815
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

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: 4/4/2025 8:34:45AM

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:	04/04/25 08:15	Work Order ID:	E504022
Phone:	(972) 371-5200	Date Logged In:	04/03/25 14:21	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/04/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

ENSOLUM

APPENDIX E

NMOCD Correspondence

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
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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 392660

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392660
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
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	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 392660

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392660
	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.	10/15/2024

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QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392662
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
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	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 392662

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392662
	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.	10/15/2024

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QUESTIONS

Action 392664

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392664
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/23/2024
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Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 392664

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392664
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Action 392666

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392666
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
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CONDITIONS

Action 392666

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392666
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

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QUESTIONS

Action 392666

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392666
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

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Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
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Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/24/2024
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CONDITIONS

Action 392666

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392666
	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.	10/15/2024

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QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392667
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
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	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 392667

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392667
	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.	10/15/2024

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QUESTIONS

Action 392669

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392669
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/28/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392669
	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.	10/15/2024

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QUESTIONS

Action 392670

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392670
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
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What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/29/2024
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CONDITIONS

Action 392670

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392670
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Action 392672

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392672
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/30/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

CONDITIONS

Action 392672

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 392672
	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.	10/15/2024

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

QUESTIONS

Action 396815

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396815
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/31/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

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

CONDITIONS

Action 396815

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396815
	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.	10/29/2024

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

QUESTIONS

Action 396824

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396824
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/01/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

CONDITIONS

Action 396824

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396824
	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.	10/29/2024

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

QUESTIONS

Action 396832

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396832
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/04/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

District I
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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 396832

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 396832
	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.	10/29/2024

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 396833

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396833
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/05/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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Santa Fe, NM 87505

CONDITIONS

Action 396833

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396833
	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.	10/29/2024

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

QUESTIONS

Action 396835

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396835
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/06/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

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

CONDITIONS

Action 396835

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396835
	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.	10/29/2024

District I
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1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 396836

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396836
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/07/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 396836
	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.	10/29/2024

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

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

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396837
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/08/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

District I
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Santa Fe, NM 87505

CONDITIONS

Action 396837

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 396837
	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.	10/29/2024

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

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

QUESTIONS

Action 400401

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400401
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/11/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400401
	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.	11/7/2024

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

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400403
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
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	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

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

CONDITIONS

Action 400403

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400403
	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.	11/7/2024

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

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400404
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/13/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185 -103.54746

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 400404

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400404
	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.	11/7/2024

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 400405

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400405
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/14/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185 -103.54746

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400405
	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.	11/7/2024

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400408
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/15/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185 -103.54746

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400408
	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.	11/7/2024

Sante Fe Main Office
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Santa Fe, NM 87505

QUESTIONS

Action 404117

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 404117
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/20/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 404117
	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.	11/18/2024

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QUESTIONS

Action 404118

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 404118
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/21/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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Santa Fe, NM 87505

CONDITIONS

Action 404118

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 404118
	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.	11/18/2024

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QUESTIONS

Action 404120

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 404120
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/22/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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Phone: (505) 476-3441

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 404120
	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.	11/18/2024

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

QUESTIONS

Action 405430

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405430
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/25/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

Sante Fe Main Office
Phone: (505) 476-3441

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Online Phone Directory
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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 405430

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405430
	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.	11/21/2024

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State of New Mexico
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1220 S. St Francis Dr.
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QUESTIONS

Action 405432

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405432
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/26/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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

CONDITIONS

Action 405432

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405432
	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.	11/21/2024

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

QUESTIONS

Action 405433

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405433
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/27/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 405433

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405433
	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.	11/21/2024

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Santa Fe, NM 87505

QUESTIONS

Action 405434

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405434
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/02/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

Sante Fe Main Office
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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 405434

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405434
	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.	11/21/2024

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 405435

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405435
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/03/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

Sante Fe Main Office
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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 405435

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405435
	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.	11/21/2024

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

QUESTIONS

Action 405436

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405436
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/04/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

Sante Fe Main Office
Phone: (505) 476-3441

General Information
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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 405436

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405436
	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.	11/21/2024

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QUESTIONS

Action 405437

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405437
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/05/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405437
	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.	11/21/2024

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Oil Conservation Division
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QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405438
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/06/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 405438
	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.	11/21/2024

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QUESTIONS

Action 408705

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408705
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/09/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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Santa Fe, NM 87505

CONDITIONS

Action 408705

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408705
	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.	12/4/2024

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QUESTIONS

Action 408709

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408709
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/10/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 408709

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408709
	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.	12/4/2024

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QUESTIONS

Action 408712

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408712
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/11/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 408712

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408712
	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.	12/4/2024

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QUESTIONS

Action 408715

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408715
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/12/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 408715

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408715
	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.	12/4/2024

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 408717

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408717
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 408717

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 408717
	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.	12/4/2024

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QUESTIONS

Action 411566

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 411566
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	131,672
What is the estimated number of samples that will be gathered	385
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/16/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400sq.ft sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 411566

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 411566
	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.	12/12/2024

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 415516

QUESTIONS

Operator: Delaware Water Management Company, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 374146
	Action Number: 415516
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**MERCHANT CENTRAL TB**
Date Release Discovered	**10/31/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/31/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.44185, -103.54746

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CONDITIONS

Action 415516

CONDITIONS

Operator: Delaware Water Management Company, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 374146
	Action Number: 415516
	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.	12/27/2024

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State of New Mexico
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Oil Conservation Division
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QUESTIONS

Action 451083

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330461091**
Incident Name	**NAPP2330461091 MERCHANT CENTRAL TB @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2124237453] Merchant Central Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MERCHANT CENTRAL TB
Date Release Discovered	10/31/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	Cause: Fire | Tank (Any) | Crude Oil | Released: 0 BBL (Unknown Released Amount) | Recovered: 0 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Fire | Tank (Any) | Produced Water | Released: 0 BBL (Unknown Released Amount) | Recovered: 0 BBL | Lost: 0 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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State of New Mexico
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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;** **(2) an unauthorized release of a volume that:** **(a) results in a fire or is the result of a fire.**
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	False
If all the actions described above have not been undertaken, explain why	Unable to allow anyone to get near facility to work until everything has been cleared by safety.
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: 04/11/2025

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	15500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5460
GRO+DRO (EPA SW-846 Method 8015M)	5460
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	10/17/2024
On what date will (or did) the final sampling or liner inspection occur	12/31/2024
On what date will (or was) the remediation complete(d)	12/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	123387
What is the estimated volume (in cubic yards) that will be reclaimed	15050
What is the estimated surface area (in square feet) that will be remediated	123387
What is the estimated volume (in cubic yards) that will be remediated	15050
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/11/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**415516**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/31/2024**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**400**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	123387
What was the total volume (cubic yards) remediated	15050
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	123387
What was the total volume (in cubic yards) reclaimed	15050
Summarize any additional remediation activities not included by answers (above)	None

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/11/2025

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QUESTIONS (continued)

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	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 451083
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	4/22/2025