



Sampling Summary and Closure Request

**Matador Resources Company
Tom Matthews 10 24S 28E RB #203H
Eddy County, New Mexico
Unit Letter "I", Section 9, Township 24 South, Range 28 East
Latitude 32.229633 North, Longitude 104.083420 West
NMOCD Incident # NAB1805132291**

Prepared For:

Matador Resources Company
5400 LBJ Freeway Ste 1500
Dallas, TX 75240

Prepared By:

Hungry Horse, LLC
4024 Plains Hwy
Lovington, NM 88260
Office: (575) 393-3386

June 2025

A handwritten signature in black ink, appearing to read "Daniel Dominguez", is written over a horizontal line.

Daniel Dominguez
Environmental Director
ddominguez@hungry-horse.com

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HUNGRY HORSE, LLC

The following *Sampling Summary and Closure Request* serves as a condensed update on field activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter I (NE/SE), Section 9, Township 24 South, Range 28 East, approximately one mile Northwest of Malaga, in Eddy County, New Mexico. The property is located on Private Land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active production pad; Latitude 32.229633 North, Longitude 104.083420 West. The NMOCD Form C-141 indicates that on January 31, 2018, approximately one hundred ninety-three bbls of produced water were released due to transfer pump failure. Approximately forty-five bbls of produced water were recovered via vacuum truck. The release was subsequently remediated according to an approved work plan which was submitted in March, 2018. OCD approval of submitted work plan was granted on April 19, 2018.

In 2018, Matador contracted PMI to remediate the release at the Tom Matthews facility. In May 2018, the release area was excavated, sampled, and backfilled. In 2023 a deferral request was submitted to the OCD by PMI. Deferral was not granted at that time. In 2024, Matador contracted Talon LPE requesting a review of the unresolved 2018 release at the Tom Matthews facility. In February and April 2024, the remediated area was sampled, and a second deferral request was submitted to the OCD in July 2024. Deferral was not granted at that time. Correspondence is available on the Cermittin porta.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is located in a medium Karst designated area. Depth to groundwater information is provided as Attachment III and the results are depicted on Figures 2 and 3.

Four water wells were located within a half mile of the release area, each with groundwater depth listed as less than 50 feet bgs. Also, as the site is located in a medium Karst designated area, the site was sampled according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
<50'	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg



Sampling Activities:

In March 2025, Matador contracted Hungry Horse requesting a review of the unresolved 2018 release at the Tom Matthews facility. After review of the remediation activities and deferral denials, Hungry Horse submitted a sampling map and plan to the OCD representative for approval. On May 30, 2025, the sampling plan was approved. Correspondence is provided as Attachment II.

On June 2, 2025, Hungry Horse notified OCD that closure sampling would occur at the Tom Matthews location on June 4 - 6, 2025. Correspondence is provided as Attachment II.

On June 4 - 6, 2025, Hungry Horse conducted closure sampling of the remediated area. During sampling activities, twenty-three hand augured test bores were advanced throughout the affected area in an effort to determine the vertical extent of contamination, if any. Soil samples were collected from each sample location at the surface and then at one-foot intervals through four feet bgs. Soil samples were also collected at sample locations SW3 and BG3, at the surface and then at one-foot intervals through four feet bgs, per OCD request.

Soil samples were then submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

A Closure Sample Map is provided as Figure 4. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment V.

Sampling Procedure and Identification:

During closure sampling, soil samples were collected from the release area per the OCD approved sampling plan. Soil samples were collected from each sample location at the surface and then at one-foot intervals through four feet bgs. Soil samples were also collected at sample location SW3 and BG3, at the surface and then at one-foot intervals through four feet bgs, per OCD request. Soil samples were jarred, iced, and delivered to the laboratory for analysis of BTEX, TPH, and chloride.

Sampling activities were photographed and sample locations marked with white pin flags. Photographs are provided in Attachment IV; however, the white pin flags are unfortunately not very visible against the caliche production pad. The sample locations are also identifiable by the disturbed soil caused by the action of the hand auger. Each sample location was backfilled with the augured material after the requisite samples were collected and jarred.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, no excavation activities will be required. Each sample location was backfilled with the augured material after the requisite samples were collected and jarred. As the release occurred on an active production pad, no seeding will be required.



Closure Request:

Sampling activities were conducted in accordance with applicable NMOCD Regulations and approved sampling plan. Laboratory analytical results from closure confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results, Matador Resources Company respectfully requests closure of the Tom Matthews 10 24S 28E RB #203H location, NAB1805132291.

Limitations:

Hungry Horse, LLC, has prepared this *Sampling Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



Distribution:

Matador Resources Company

5400 LBJ Freeway Ste 1500

Dallas, TX 75240

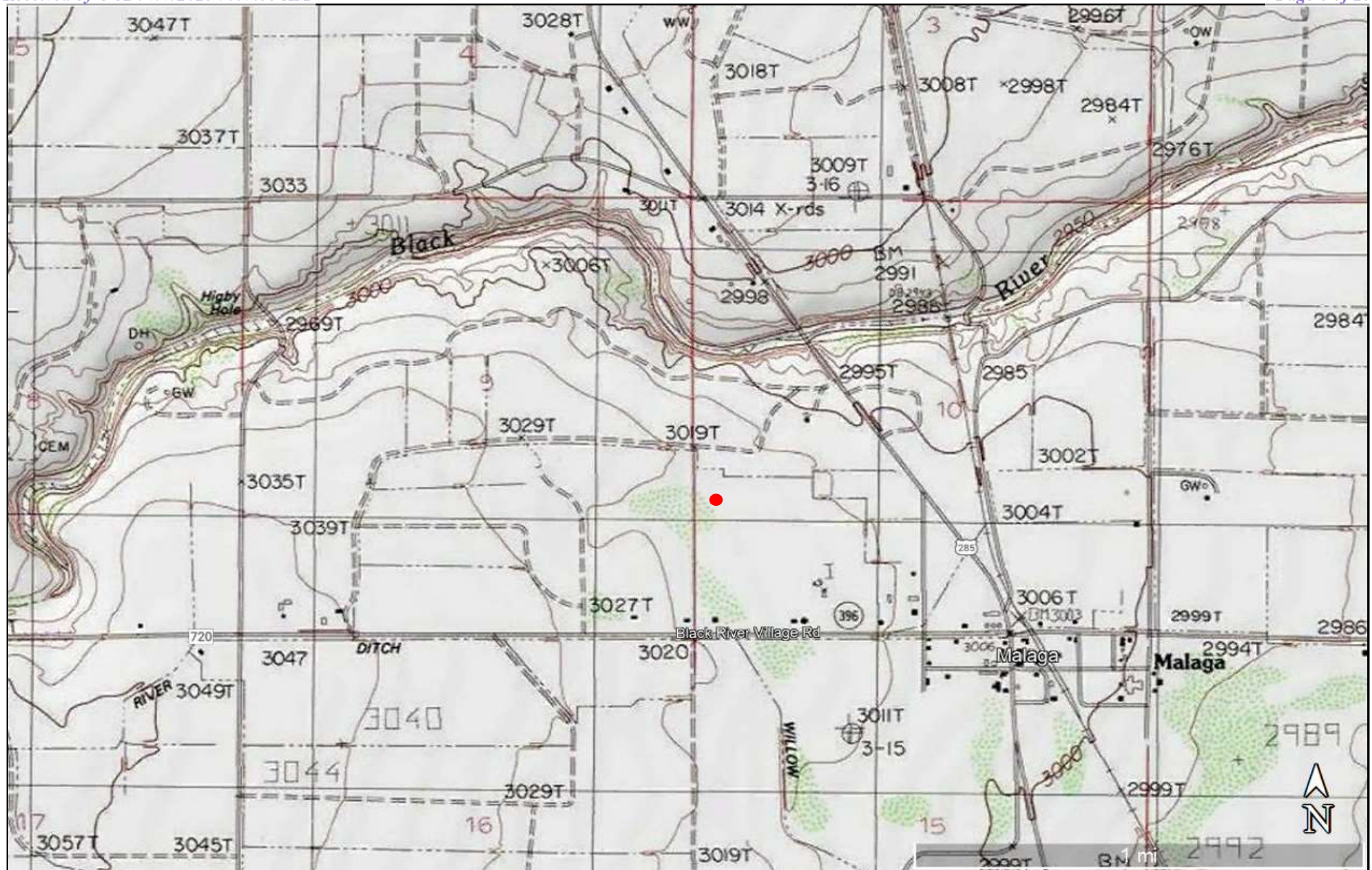
New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2

811 S. First St.

Artesia, NM 88210

Figures

**Figure 1**

Topographic Map
 Matador Resources Company
 Tom Matthews 10 24S 28E RB #203H
 GPS: 32.229633, -104.08342
 Eddy County

Legend:

- Tom Matthews 10 24S 28E RB #203H Location

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 Date: 6/5/25



**Figure 2**

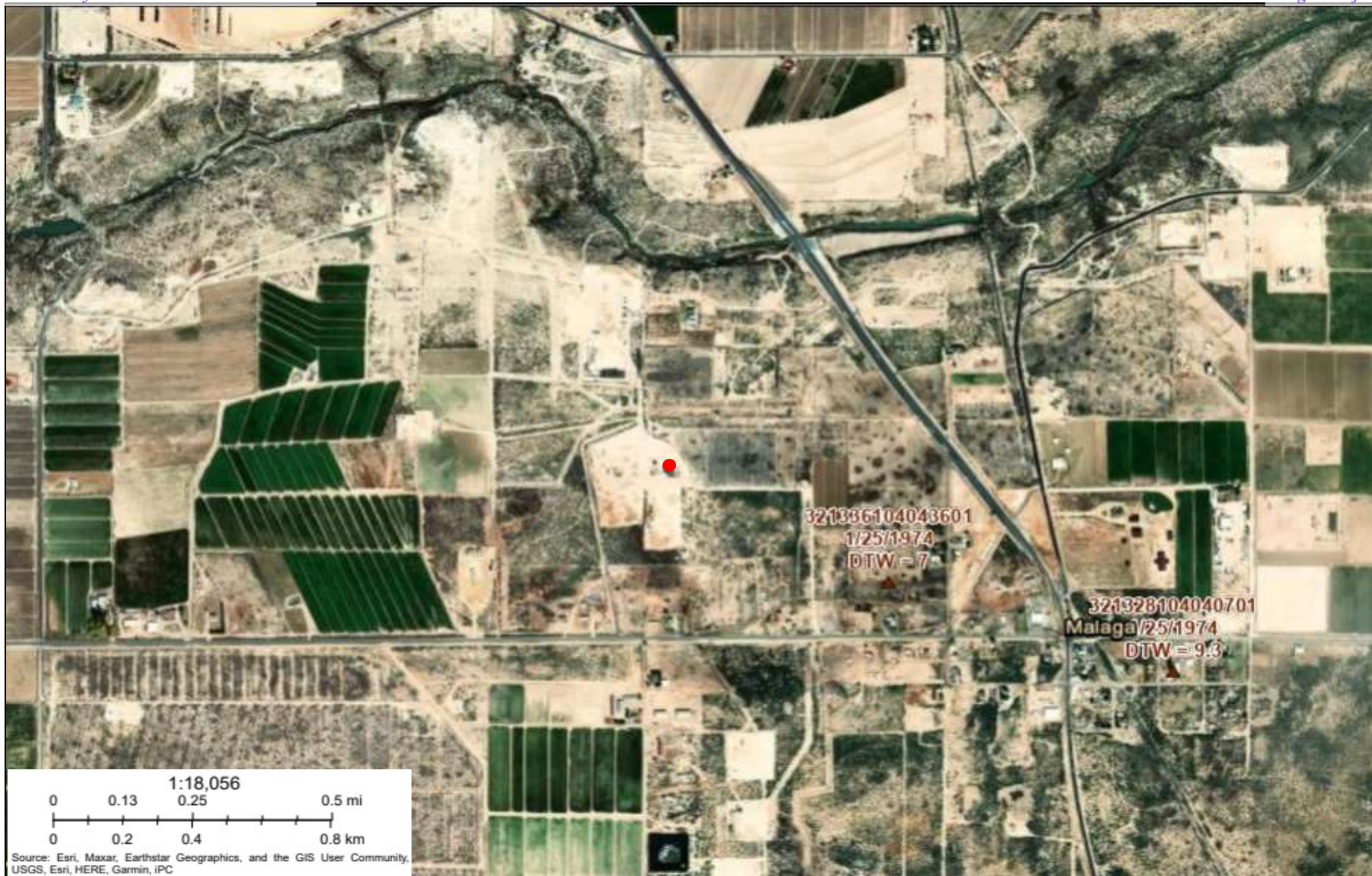
OSE POD Locations Map
 Matador Resources Company
 Tom Matthews 10 24S 28E RB #203H
 GPS: 32.229633, -104.08342
 Eddy County

Legend:

- Tom Matthews 10 24S 28E RB #203H Location
- Active OSE Water Well
- Pending OSE Water Well

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 Date: 6/5/25



**Figure 3**

USGS Well Locations Map
Matador Resources Company
Tom Matthews 10 24S 28E RB #203H
GPS: 32.229633, -104.08342
Eddy County

Legend:

- Tom Matthews 10 24S 28E RB #203H Location
- ▲ USGS Well Location



Drafted: dd
Checked: jh
Date: 6/5/25

**Figure 4**

Closure Sample Map
 Matador Resources Company
 Tom Matthews 10 24S 28E RB #203H
 GPS: 32.229633, -104.08342
 Eddy County

Legend:

- Approximate Release Area
- SMA Background Sample Approximate Location Circa 2018
- SP1 Closure Sample Locations - Sampling Surface through Four feet Deep

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 Date: 6/6/25



Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Matador Resources Company
Tom Matthews 10 24S 28E RB #203H
NMOCD Ref. #: NAB1805132291

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
BG3	6/4/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/4/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	287
	6/4/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/4/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	322
	6/4/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
SW3	6/4/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	251
	6/4/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/4/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	310
	6/4/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	231
	6/4/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	237
SP1	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	281
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
SP2	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	209
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	313
SP3	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	265
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	325
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	314
SP4	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	429
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	247
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	361
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	353
SP5	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	451
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	215
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	393
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	328
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	371
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Matador Resources Company
Tom Matthews 10 24S 28E RB #203H
NMOCD Ref. #: NAB1805132291

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP6	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	303
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	413
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	371
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	363
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
SP7	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	407
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	469
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	204
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	354
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	580
SP8	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	338
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	474
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	564
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	409
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
SP9	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	309
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	339
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	258
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	413
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	335
SP10	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	366
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	453
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	410
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	413
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	362
SP11	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	332
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	427
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	273
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	319
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	421
SP12	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	406
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	315
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	218
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	332
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	314
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Matador Resources Company
Tom Matthews 10 24S 28E RB #203H
NMOCD Ref. #: NAB1805132291

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP13	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	417
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	259
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	268
SP14	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	226
SP15	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	195
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	139
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	187
SP16	6/5/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	349
	6/5/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	141
	6/5/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	300
	6/5/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	322
	6/5/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	263
SP17	6/6/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	323
	6/6/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	345
	6/6/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
	6/6/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	411
	6/6/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	307
SP18	6/6/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
	6/6/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	289
	6/6/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	301
	6/6/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	373
	6/6/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	406
SP19	6/6/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	122
	6/6/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	239
	6/6/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	259
	6/6/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	171
	6/6/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	392
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
Matador Resources Company
Tom Matthews 10 24S 28E RB #203H
NMOCD Ref. #: NAB1805132291

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP20	6/6/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	149
	6/6/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	143
	6/6/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	138
	6/6/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	211
	6/6/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	427
SP21	6/6/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	152
	6/6/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	110
	6/6/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	170
	6/6/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	257
	6/6/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	228
SP22	6/6/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	229
	6/6/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	150
	6/6/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	178
	6/6/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	346
	6/6/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
SP23	6/6/25	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/6/25	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/6/25	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/6/25	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
	6/6/25	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	ND
NMOCD Closure Criteria				10	50	-	-	N/A	-	100	600

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I

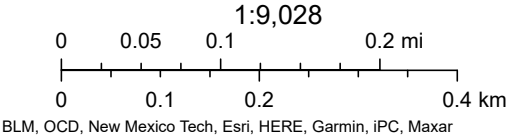
Karst Map



6/6/2025, 2:48:27 PM

Karst Occurrence Potential

Medium



Attachment II NMOCD Correspondence

Daniel Dominguez

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, May 30, 2025 11:12 AM
To: Daniel Dominguez
Cc: Jason Touchet
Subject: RE: [EXTERNAL] Tom Matthews Sampling Map

Good morning Daniel,

The proposed sampling plan is approved.

Have a great weekend,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Thursday, May 29, 2025 2:47 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>
Subject: [EXTERNAL] Tom Matthews Sampling Map

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

Shelly,

Attached for your review is the proposed sampling map for the Tom Matthews location.

As you requested the release area will be sampled from surface through four feet deep to ensure remediation was complete. Is this enough sample locations to get the area covered? This is 23 sample locations within the release area with two more outside the release area at SW3 and BG3. You requested these additional locations as SW3 was still over OCD closure standards and BG3 was never properly identified on a map or properly delineated. I picked a spot roughly between BG2 and BG4 to collect the sample. This will be a total of 125 samples collected and sent to the lab for analysis of BTEX, TPH, and chloride. We will also notify the OCD 48 hrs in advance and photo document the sampling event.

Let me know if you need any more info or would like any changes.

Daniel Dominguez
Environmental Director
Hungry Horse, LLC
(m) 575-408-3134
ddominguez@hungry-horse.com

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 469961

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469961
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1805132291
Incident Name	NAB1805132291 TOM MATTHEWS 10 24S 28E RB #203H @ 30-015-44561
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-44561] TOM MATTHEWS 10 24S 28E RB #203H

Location of Release Source	
Site Name	TOM MATTHEWS 10 24S 28E RB #203H
Date Release Discovered	01/31/2018
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	20,000
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639
Please provide any information necessary for navigation to sampling site	32.229633, -104.083420

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 469961

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469961
	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.	6/2/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 469968

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469968
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1805132291
Incident Name	NAB1805132291 TOM MATTHEWS 10 24S 28E RB #203H @ 30-015-44561
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-44561] TOM MATTHEWS 10 24S 28E RB #203H

Location of Release Source	
Site Name	TOM MATTHEWS 10 24S 28E RB #203H
Date Release Discovered	01/31/2018
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	20,000
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639
Please provide any information necessary for navigation to sampling site	32.229633, -104.083420

Sante Fe Main Office
Phone: (505) 476-3441

General Information
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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 469968

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469968
	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.	6/2/2025

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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 469969

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1805132291
Incident Name	NAB1805132291 TOM MATTHEWS 10 24S 28E RB #203H @ 30-015-44561
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-44561] TOM MATTHEWS 10 24S 28E RB #203H

Location of Release Source	
Site Name	TOM MATTHEWS 10 24S 28E RB #203H
Date Release Discovered	01/31/2018
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	20,000
What is the estimated number of samples that will be gathered	125
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jerry Heidelberg 575-390-3639
Please provide any information necessary for navigation to sampling site	32.229633, -104.083420

Sante Fe Main Office
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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 469969

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469969
	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.	6/2/2025

Attachment III

Depth to Groundwater



New Mexico Office of the State Engineer

Wells With Well Log Information

(A
CLW#####
in the
POD suffix
indicates the
POD has
been
replaced &
no longer
serves a
water right
file.)
(R=POD has
been
replaced,
O=orphaned,
C=the file is
closed)
(quarters are
1=NW 2=NE
3=SW 4=SE)
(quarters are
smallest to largest)
(NAD83 UTM in meters)
(meters)
(in feet)

POD Number	Code	Sub basin	County	Source	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Distance	Start Date	Finish Date	Log File Date	Borehole Depth	Depth Water		License Number
																		First Encountered	Driller	
C 00764		CUB	ED	Shallow	SW	NW	SW	10	24S	28E	586399.0	3566292.0 *	51	1957-05-15	1957-05-25	1958-10-16	118	25	W.C. MOORE	
C 00962		C	ED	Shallow		SW	SW	10	24S	28E	586505.0	3565992.0 *	302	1960-10-07	1960-10-08	1960-10-24	63	9	BARRON, EMMETT	30
C 02836		C	ED	Shallow	NE	NE	NE	16	24S	28E	586203.0	3565676.0 *	602	2001-08-04	2001-08-07	2001-10-04		15		1348

Record Count: 3

UTM Filters (in meters):

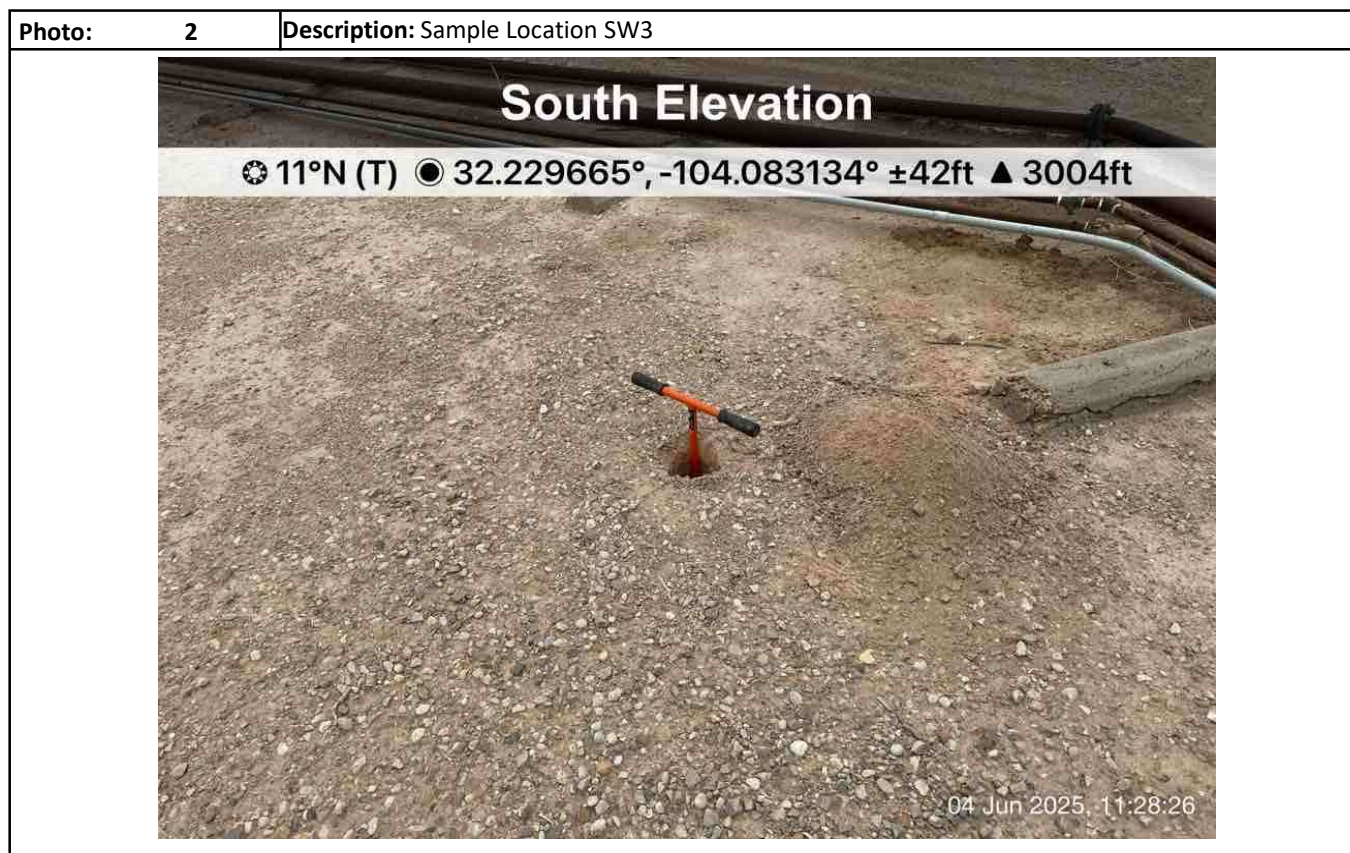
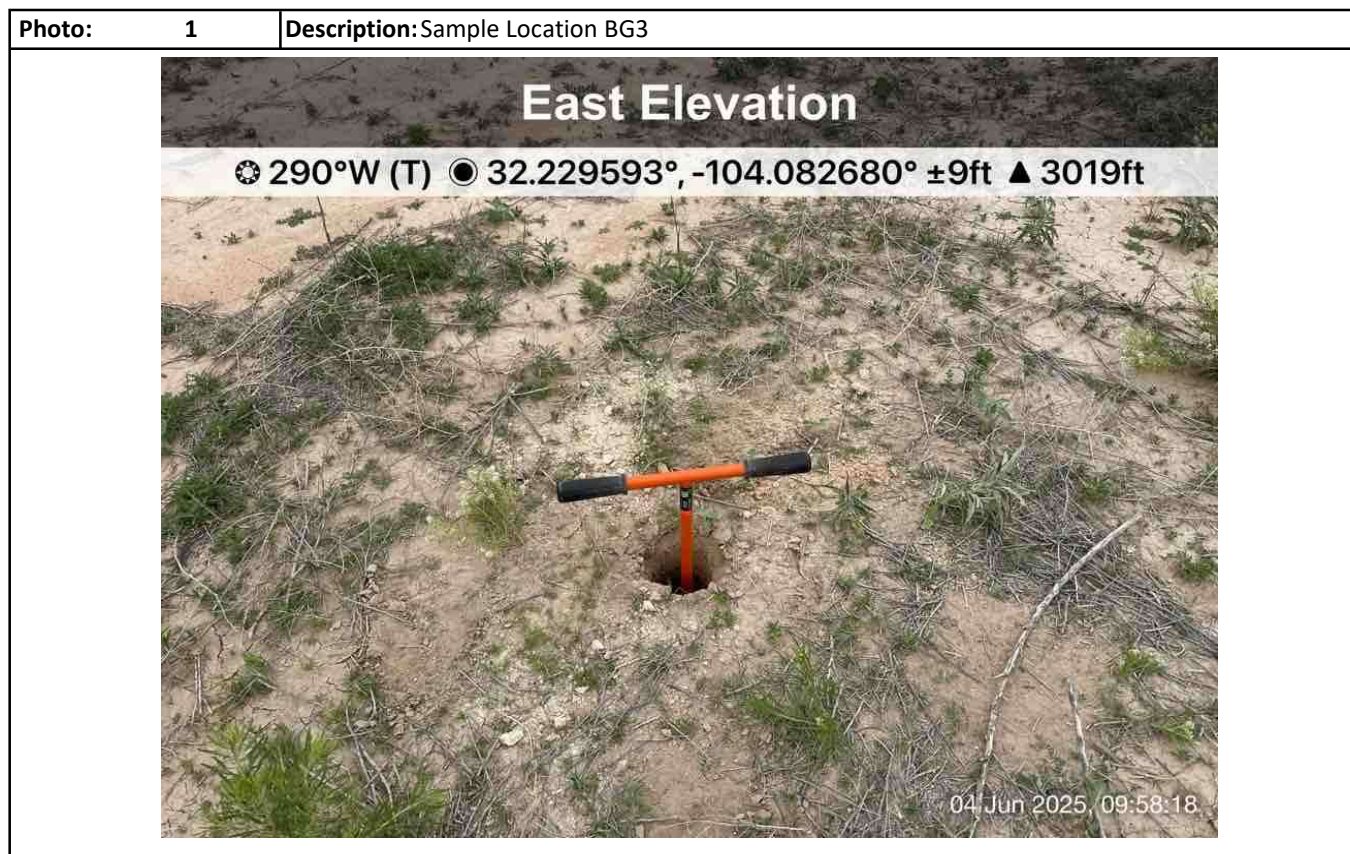
Easting: 586361.05
Northing: 3566257.62
Radius: 805

* UTM location was derived from PLSS - see Help

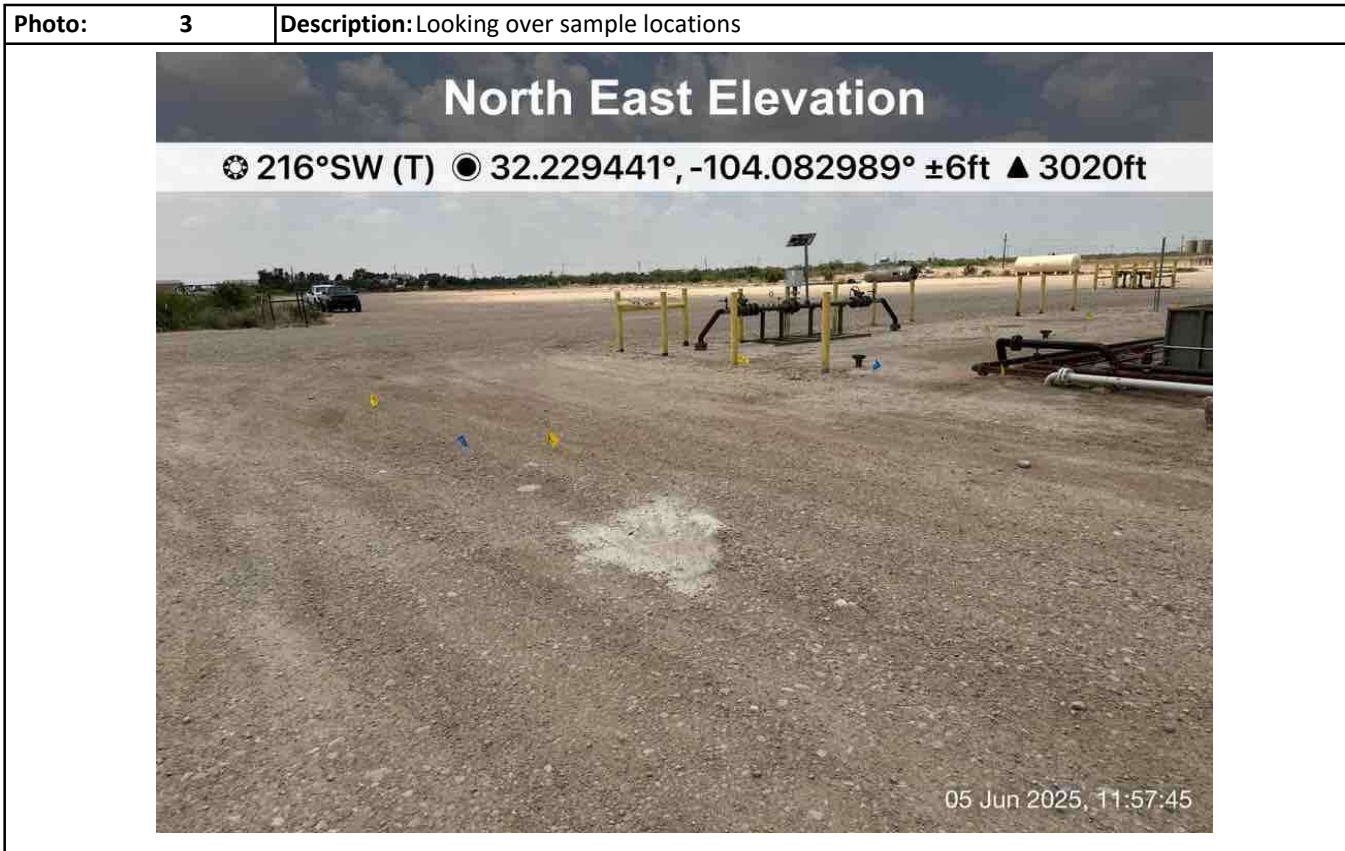
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Attachment IV Site Photographs

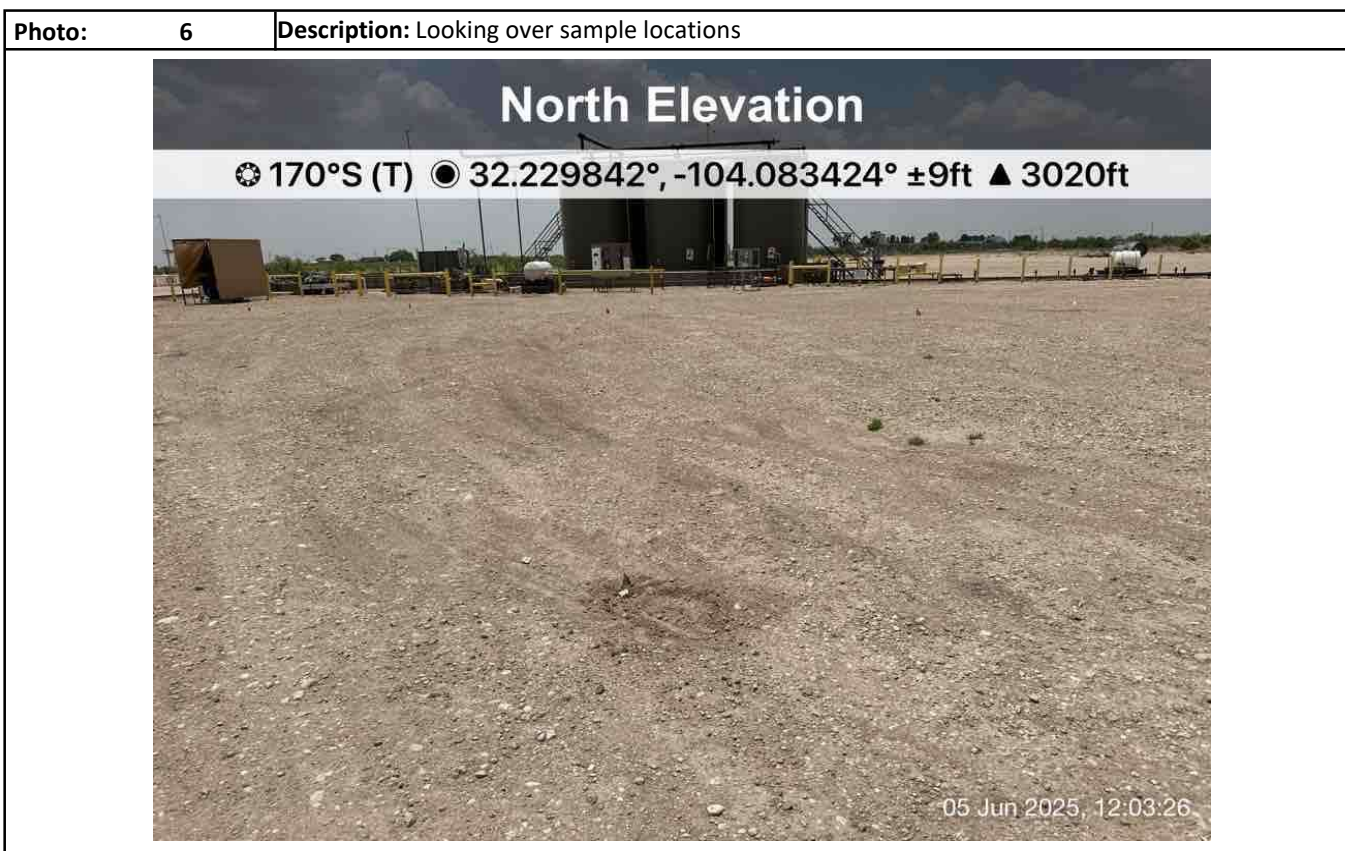
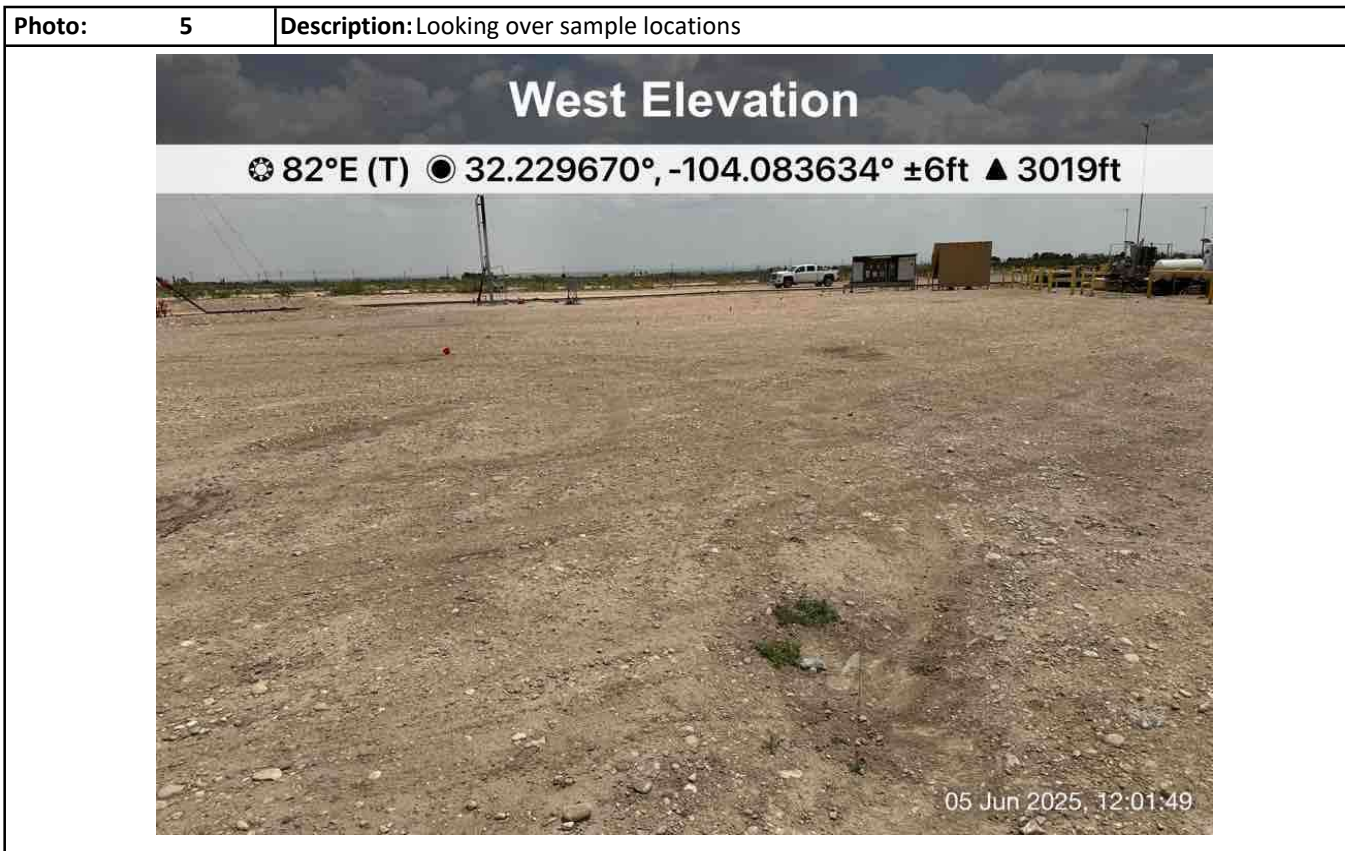
Photographs



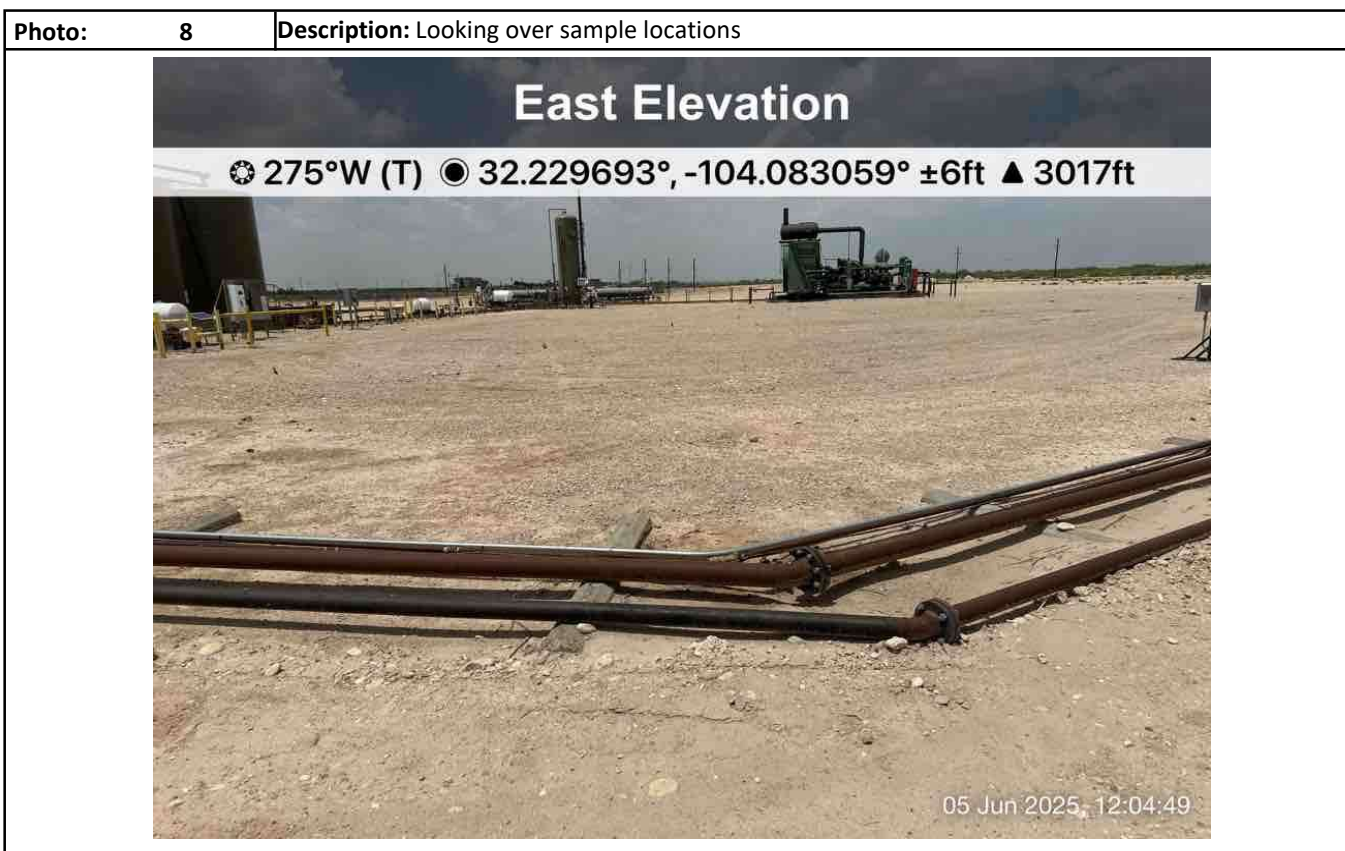
Photographs



Photographs



Photographs



Attachment V

Laboratory Analytical Reports

Report to:
Daniel Dominguez



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: Tom Matthews 10 24S 28E RB
#203H

Work Order: E506053

Job Number: 23502-0001

Received: 6/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/25

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: 6/12/25

Daniel Dominguez
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Tom Matthews 10 24S 28E RB #203H
Workorder: E506053
Date Received: 6/7/2025 10:00:25AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2025 10:00:25AM, under the Project Name: Tom Matthews 10 24S 28E RB #203H.

The analytical test results summarized in this report with the Project Name: Tom Matthews 10 24S 28E RB #203H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Tom Matthews 10 24S 28E RB #203H

Project Number:

23502-0001

Project Manager:

Daniel Dominguez

Reported:

06/12/25 09:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG3 Surf	E506053-01A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
BG3 1'	E506053-02A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
BG3 2'	E506053-03A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
BG3 3'	E506053-04A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
BG3 4'	E506053-05A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
SW3 Surf	E506053-06A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
SW3 1'	E506053-07A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
SW3 2'	E506053-08A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
SW3 3'	E506053-09A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
SW3 4'	E506053-10A	Soil	06/04/25	06/07/25	Glass Jar, 2 oz.
SP1 Surf	E506053-11A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP1 1'	E506053-12A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP1 2'	E506053-13A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP1 3'	E506053-14A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP1 4'	E506053-15A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP2 Surf	E506053-16A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP2 1'	E506053-17A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP2 2'	E506053-18A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP2 3'	E506053-19A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP2 4'	E506053-20A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name: Tom Matthews 10 24S 28E RB #203H

Project Number: 23502-0001

Project Manager: Daniel Dominguez

Reported:

6/12/2025 9:26:37AM

BG3 Surf

E506053-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/10/25	
<i>Surrogate: n-Nonane</i>		94.5 %	61-141	06/10/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

BG3 1'

E506053-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524045
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
		93.1 %	61-141	06/10/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524038
Chloride	287	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

BG3 2'

E506053-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/10/25	
<i>Surrogate: n-Nonane</i>		93.1 %	61-141	06/10/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

BG3 3'

E506053-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524045
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
		90.7 %	61-141	06/10/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524038
Chloride	322	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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BG3 4'
E506053-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/10/25	
Surrogate: n-Nonane	94.2 %	61-141		06/10/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SW3 Surf

E506053-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/10/25	
Surrogate: n-Nonane	101 %	61-141		06/10/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	251	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SW3 1'

E506053-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
		91.9 %	61-141	06/10/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

SW3 2'

E506053-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524045
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	91.6 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524038
Chloride	310	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

SW3 3'

E506053-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524045
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		92.6 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524038
Chloride	231	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

SW3 4'

E506053-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	91.3 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	237	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SP1 Surf

E506053-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		94.9 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

SP1 1'

E506053-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.6 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	107 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>	91.8 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

SP1 2'

E506053-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	94.2 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SP1 3'

E506053-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID	98.8 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	103 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	281	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SP1 4'

E506053-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	95.9 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/12/2025 9:26:37AM

SP2 Surf

E506053-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524017
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524045
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	94.6 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524038
Chloride	209	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SP2 1'

E506053-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	99.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	92.1 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SP2 2'

E506053-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	95.1 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SP2 3'

E506053-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	95.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	93.4 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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SP2 4'

E506053-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	95.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524045	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	93.8 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524038	
Chloride	313	200	10	06/10/25	06/10/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/12/2025 9:26:37AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524017-BLK1)

Prepared: 06/09/25 Analyzed: 06/10/25

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	8.00		8.00		99.9	70-130			

LCS (2524017-BS1)

Prepared: 06/09/25 Analyzed: 06/10/25

Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.32	0.0250	5.00		106	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130			

Matrix Spike (2524017-MS1)

Source: E506053-07

Prepared: 06/09/25 Analyzed: 06/10/25

Benzene	5.31	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130			
Toluene	5.28	0.0250	5.00	ND	106	70-130			
o-Xylene	5.25	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike Dup (2524017-MSD1)

Source: E506053-07

Prepared: 06/09/25 Analyzed: 06/10/25

Benzene	5.06	0.0250	5.00	ND	101	70-130	4.73	27	
Ethylbenzene	5.06	0.0250	5.00	ND	101	70-130	4.19	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	4.38	20	
o-Xylene	5.05	0.0250	5.00	ND	101	70-130	3.92	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	4.13	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	4.06	26	
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/12/2025 9:26:37AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524017-BLK1) Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			

LCS (2524017-BS2) Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.91		8.00		111	70-130			

Matrix Spike (2524017-MS2) Source: E506053-07 Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			

Matrix Spike Dup (2524017-MSD2) Source: E506053-07 Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	1.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/12/2025 9:26:37AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524045-BLK1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.7		50.0		89.3	61-141			

LCS (2524045-BS1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Diesel Range Organics (C10-C28)	219	25.0	250		87.4	66-144			
Surrogate: n-Nonane	45.1		50.0		90.1	61-141			

Matrix Spike (2524045-MS1)					Source: E506053-02		Prepared: 06/10/25 Analyzed: 06/10/25		
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.4	56-156			
Surrogate: n-Nonane	46.0		50.0		92.0	61-141			

Matrix Spike Dup (2524045-MSD1)					Source: E506053-02		Prepared: 06/10/25 Analyzed: 06/10/25		
Diesel Range Organics (C10-C28)	222	25.0	250	ND	88.7	56-156	0.723	20	
Surrogate: n-Nonane	47.2		50.0		94.3	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/12/2025 9:26:37AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524038-BLK1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	ND	20.0							
LCS (2524038-BS1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2524038-MS1)					Source: E506053-05		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	352	200	250	ND	141	80-120			M2
Matrix Spike Dup (2524038-MSD1)					Source: E506053-05		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	278	200	250	ND	111	80-120	23.6	20	R3

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	Reported:
Dallas TX, 75240	Project Manager:	Daniel Dominguez	06/12/25 09:26

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

Client: Matador Resources Company				Bill To			Lab Use Only				TAT				EPA Program						
Project: Tom Matthews 10 24S 28E RB #203H				Attention: Jason Touchet			Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Daniel Dominguez				Address: 5400 LBJ Freeway Ste 1500			E5010053		23502-0001					X							
Address: 4024 Plains Hwy				City, State, Zip: Dallas			Analysis and Method											RCRA			
City, State, Zip: Lovington, NM 88260, NM, 88260				Phone: 3376523463													State				
Phone: 575 393-3386				Email: jason.touchet@matadorresources.com													NM	CO	UT	AZ	TX
Email: pm@hungry-horse.com																	X				
Report due by:																	Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX						
	4-Jun	Soil	1	BG3	Surf	1								X			3.1				
	4-Jun	Soil	1	BG3	1'	2								X			2.1				
	4-Jun	Soil	1	BG3	2'	3								X			3.0				
	4-Jun	Soil	1	BG3	3'	4								X			3.6				
	4-Jun	Soil	1	BG3	4'	5								X			3.6				
	4-Jun	Soil	1	SW3	Surf	6								X			3.1				
	4-Jun	Soil	1	SW3	1'	7								X			2.2				
	4-Jun	Soil	1	SW3	2'	8								X			3.7				
	4-Jun	Soil	1	SW3	3'	9								X			1.5				
	4-Jun	Soil	1	SW3	4'	10								X			2.6				

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>Sam Sam</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6-6-25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-6-25	1630	<i>L. J. M.</i>	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>L. J. M.</i>	6-6-25	2300	<i>Caitlin Mann</i>	6-7-25	1000	

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.

Client: Matador Resources Company				Bill To Attention: Jason Touchet Address: 5400 LBJ Freeway Ste 1500 City, State, Zip: Dallas Phone: 3376523463 Email: jason.touchet@matadorresources.com			Lab Use Only						TAT				EPA Program	
Project: Tom Matthews 10 24S 28E RB #203H							Lab WO# E506053		Job Number 23502-0001		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Daniel Dominguez														X				
Address: 4024 Plains Hwy											Analysis and Method							RCRA
City, State, Zip: Lovington, NM 88260, NM, 88260																	State	
Phone: 575 393-3386														NM	CO	UT	AZ	TX
Email: pm@hungry-horse.com														X				
Report due by:														Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX			
	5-Jun	Soil	1	SP1	Surf	11								X			4.0	
	5-Jun	Soil	1	SP1	1'	12								X			1.4	
	5-Jun	Soil	1	SP1	2'	13								X			3.9	
	5-Jun	Soil	1	SP1	3'	14								X			1.8	
	5-Jun	Soil	1	SP1	4'	15								X			3.8	
	5-Jun	Soil	1	SP2	Surf	16								X			1.5	
	5-Jun	Soil	1	SP2	1'	17								X			3.4	
	5-Jun	Soil	1	SP2	2'	18								X			2.8	
	5-Jun	Soil	1	SP2	3'	19								X			1.4	
	5-Jun	Soil	1	SP2	4'	20								X			3.2	

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					

Note: Samples are discarded 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 Analytical Laboratory

Printed: 6/9/2025 12:12:46PM

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:	06/07/25 10:00	Work Order ID:	E506053
Phone:	(972) 371-5200	Date Logged In:	06/06/25 15:27	Logged In By:	Caitlin Mars
Email:	pm@hungry-horse.com	Due Date:	06/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Tom Matthews 10 24S 28E RB #203H has been separated into 6 reports. WOs are E506053 to E506058. Time sampled and sampled by not provided on COC.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Daniel Dominguez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tom Matthews 10 24S 28E RB
#203H

Work Order: E506054

Job Number: 23502-0001

Received: 6/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/13/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/13/25



Daniel Dominguez
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Tom Matthews 10 24S 28E RB #203H
Workorder: E506054
Date Received: 6/7/2025 10:00:25AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2025 10:00:25AM, under the Project Name: Tom Matthews 10 24S 28E RB #203H.

The analytical test results summarized in this report with the Project Name: Tom Matthews 10 24S 28E RB #203H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
06/13/25 11:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP3 Surf	E506054-01A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP3 1'	E506054-02A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP3 2'	E506054-03A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP3 3'	E506054-04A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP3 4'	E506054-05A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP4 Surf	E506054-06A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP4 1'	E506054-07A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP4 2'	E506054-08A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP4 3'	E506054-09A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP4 4'	E506054-10A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP5 Surf	E506054-11A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP5 1'	E506054-12A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP5 2'	E506054-13A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP5 3'	E506054-14A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP5 4'	E506054-15A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP6 Surf	E506054-16A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP6 1'	E506054-17A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP6 2'	E506054-18A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP6 3'	E506054-19A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP6 4'	E506054-20A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP3 Surf

E506054-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.3 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		93.7 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP3 1'

E506054-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	95.0 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	ND	100	5	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP3 2'

E506054-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	95.0 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	265	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP3 3'

E506054-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	105 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.2 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	94.4 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	325	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP3 4'

E506054-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.0 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	91.6 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	314	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP4 Surf

E506054-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	100 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	88.7 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	429	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP4 1'

E506054-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	94.3 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	247	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP4 2'

E506054-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.6 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		93.2 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	352	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP4 3'

E506054-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		93.9 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	361	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP4 4'

E506054-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.8 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		93.1 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	353	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP5 Surf

E506054-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	93.1 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	451	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP5 1'

E506054-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	95.0 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	215	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP5 2'

E506054-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	109 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.6 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	91.7 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	393	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP5 3'

E506054-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.6 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		92.9 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	328	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP5 4'

E506054-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	90.8 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	371	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP6 Surf

E506054-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.8 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		90.1 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	303	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP6 1'

E506054-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.6 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	92.7 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	413	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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SP6 2'

E506054-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	92.2 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	371	200	10	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP6 3'

E506054-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		90.5 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	363	200	10	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 11:09:04AM

SP6 4'

E506054-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524046	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		91.2 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524039	
Chloride	368	200	10	06/10/25	06/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 11:09:04AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524018-BLK1)

Prepared: 06/09/25 Analyzed: 06/11/25

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	8.27		8.00		103	70-130			

LCS (2524018-BS1)

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.65	0.0250	5.00		113	70-130			
Ethylbenzene	5.46	0.0250	5.00		109	70-130			
Toluene	5.57	0.0250	5.00		111	70-130			
o-Xylene	5.38	0.0250	5.00		108	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			

Matrix Spike (2524018-MS1)

Source: E506054-04

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.20	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	70-130			
Toluene	5.14	0.0250	5.00	ND	103	70-130			
o-Xylene	4.96	0.0250	5.00	ND	99.3	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.38		8.00		105	70-130			

Matrix Spike Dup (2524018-MSD1)

Source: E506054-04

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.51	0.0250	5.00	ND	110	70-130	5.81	27	
Ethylbenzene	5.35	0.0250	5.00	ND	107	70-130	5.51	26	
Toluene	5.44	0.0250	5.00	ND	109	70-130	5.65	20	
o-Xylene	5.27	0.0250	5.00	ND	105	70-130	6.03	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	5.26	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	5.52	26	
Surrogate: 4-Bromochlorobenzene-PID	8.51		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 11:09:04AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524018-BLK1) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.8	70-130			

LCS (2524018-BS2) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			

Matrix Spike (2524018-MS2) Source: E506054-04 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		100	70-130			

Matrix Spike Dup (2524018-MSD2) Source: E506054-04 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130	1.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 11:09:04AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524046-BLK1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.7	61-141			

LCS (2524046-BS1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	223	25.0	250		89.1	66-144			
Surrogate: n-Nonane	46.7		50.0		93.3	61-141			

Matrix Spike (2524046-MS1)					Source: E506054-07		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.4	56-156			
Surrogate: n-Nonane	47.3		50.0		94.6	61-141			

Matrix Spike Dup (2524046-MSD1)					Source: E506054-07		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	222	25.0	250	ND	89.0	56-156	0.420	20	
Surrogate: n-Nonane	44.3		50.0		88.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 11:09:04AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524039-BLK1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	ND	20.0							
LCS (2524039-BS1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2524039-MS1)					Source: E506054-05		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	655	200	250	314	136	80-120			M2
Matrix Spike Dup (2524039-MSD1)					Source: E506054-05		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	543	200	250	314	91.6	80-120	18.7	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:	Tom Matthews 10 24S 28E RB #203H	
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	Reported:
Dallas TX, 75240	Project Manager:	Daniel Dominguez	06/13/25 11:09

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client: Matador Resources Company				Bill To			Lab Use Only						TAT				EPA Program					
Project: Tom Matthews 10 24S 28E RB #203H				Attention: Jason Touchet			Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Daniel Dominguez				Address: 5400 LBJ Freeway Ste 1500			E506054		23502-0001							X						
Address: 4024 Plains Hwy				City, State, Zip: Dallas			Analysis and Method												RCRA			
City, State, Zip: Lovington, NM 88260, NM, 88260				Phone: 3376523463														State				
Phone: 575 393-3386				Email: jason.touchet@matadorresources.com														NM	CO	UT	AZ	TX
Email: pm@hungry-horse.com																		X				
Report due by:																		Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX						
	5-Jun	Soil	1	SP3	Surf	1									X			3.9				
	5-Jun	Soil	1	SP3	1'	2									X			2.8				
	5-Jun	Soil	1	SP3	2'	3									X			3.4				
	5-Jun	Soil	1	SP3	3'	4									X			3.9				
	5-Jun	Soil	1	SP3	4'	5									X			1.4				
	5-Jun	Soil	1	SP4	Surf	6									X			3.3				
	5-Jun	Soil	1	SP4	1'	7									X			1.4				
	5-Jun	Soil	1	SP4	2'	8									X			1.3				
	5-Jun	Soil	1	SP4	3'	9									X			2.2				
	5-Jun	Soil	1	SP4	4'	10									X			2.6				

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6-6-25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-6-25	1630	<i>[Signature]</i>	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	6-6-25	2300	<i>Carly Mar</i>	6-7-25	1000	

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.

Client: Matador Resources Company				Bill To				Lab Use Only				TAT				EPA Program						
Project: Tom Matthews 10 24S 28E RB #203H				Attention: Jason Touchet				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Daniel Dominguez				Address: 5400 LBJ Freeway Ste 1500				E506054		23052-0001					X							
Address: 4024 Plains Hwy				City, State, Zip: Dallas				Analysis and Method											RCRA			
City, State, Zip: Lovington, NM 88260, NM, 88260				Phone: 3376523463														State				
Phone: 575 393-3386				Email: jason.touchet@matadorresources.com														NM	CO	UT	AZ	TX
Email: pm@hungry-horse.com																		X				
Report due by:																		Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX						
	5-Jun	Soil	1	SP5	Surf	11									X			2.0				
	5-Jun	Soil	1	SP5	1'	12									X			1.8				
	5-Jun	Soil	1	SP5	2'	13									X			1.1				
	5-Jun	Soil	1	SP5	3'	14									X			3.1				
	5-Jun	Soil	1	SP5	4'	15									X			3.2				
	5-Jun	Soil	1	SP6	Surf	16									X			3.7				
	5-Jun	Soil	1	SP6	1'	17									X			1.4				
	5-Jun	Soil	1	SP6	2'	18									X			3.3				
	5-Jun	Soil	1	SP6	3'	19									X			3.9				
	5-Jun	Soil	1	SP6	4'	20									X			1.8				

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>Sam Denny</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6-6-25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-6-25	1630	<i>LL Jr.</i>	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>LL Jr.</i>	6-6-25	2300	<i>Caitlin Mann</i>	6-7-25	1000	

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 Analytical Laboratory

Printed: 6/9/2025 12:12:16PM

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:	06/07/25 10:00	Work Order ID:	E506054
Phone:	(972) 371-5200	Date Logged In:	06/06/25 15:36	Logged In By:	Caitlin Mars
Email:	pm@hungry-horse.com	Due Date:	06/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Tom Matthews 10 24S 28E RB #203H has been separated into 6 reports. WOs are E506053 to E506058. Time sampled and sampled by not provided on COC.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Daniel Dominguez



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: Tom Matthews 10 24S 28E RB
#203H

Work Order: E506055

Job Number: 23502-0001

Received: 6/7/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/13/25

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: 6/13/25

Daniel Dominguez
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Tom Matthews 10 24S 28E RB #203H
Workorder: E506055
Date Received: 6/7/2025 10:00:25AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2025 10:00:25AM, under the Project Name: Tom Matthews 10 24S 28E RB #203H.

The analytical test results summarized in this report with the Project Name: Tom Matthews 10 24S 28E RB #203H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
06/13/25 08:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP7 Surf	E506055-01A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP7 1'	E506055-02A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP7 2'	E506055-03A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP7 3'	E506055-04A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP7 4'	E506055-05A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP8 Surf	E506055-06A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP8 1'	E506055-07A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP8 2'	E506055-08A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP8 3'	E506055-09A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP8 4'	E506055-10A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP9 Surf	E506055-11A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP9 1'	E506055-12A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP9 2'	E506055-13A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP9 3'	E506055-14A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP9 4'	E506055-15A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP10 Surf	E506055-16A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP10 1'	E506055-17A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP10 2'	E506055-18A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP10 3'	E506055-19A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP10 4'	E506055-20A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name: Tom Matthews 10 24S 28E RB #203H

Project Number: 23502-0001

Project Manager: Daniel Dominguez

Reported:

6/13/2025 8:16:56AM

SP7 Surf

E506055-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.6 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		94.3 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	407	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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SP7 1'

E506055-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.7 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	97.1 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	469	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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SP7 2'

E506055-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	92.6 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	204	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP7 3'

E506055-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.7 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	94.6 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	354	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP7 4'

E506055-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	90.6 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	580	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP8 Surf

E506055-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	95.3 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	338	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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SP8 1'

E506055-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
Surrogate: 4-Bromochlorobenzene-PID	88.3 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.9 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	101 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	474	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
---	---	----------------------------------

SP8 2'

E506055-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	93.0 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	564	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP8 3'

E506055-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/10/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/10/25	
Toluene	ND	0.0250	1	06/09/25	06/10/25	
o-Xylene	ND	0.0250	1	06/09/25	06/10/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/10/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		06/09/25	06/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	96.8 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	409	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP8 4'

E506055-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	94.9 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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SP9 Surf

E506055-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	87.0 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.0 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	99.4 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	309	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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SP9 1'

E506055-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	87.1 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	92.0 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	339	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP9 2'

E506055-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	96.4 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	258	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP9 3'

E506055-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	96.5 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	413	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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SP9 4'

E506055-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	88.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	91.0 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	335	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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SP10 Surf
E506055-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.1 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	92.4 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	366	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP10 1'

E506055-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	93.9 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	453	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP10 2'

E506055-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	96.0 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	410	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP10 3'

E506055-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	89.2 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524019
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	113 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524040
Chloride	413	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:16:56AM

SP10 4'

E506055-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524050	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	97.4 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524040	
Chloride	362	200	10	06/10/25	06/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 8:16:56AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524019-BLK1)

Prepared: 06/09/25 Analyzed: 06/10/25

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	7.22		8.00		90.3	70-130			

LCS (2524019-BS1)

Prepared: 06/09/25 Analyzed: 06/10/25

Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.35	0.0250	5.00		107	70-130			
o-Xylene	5.22	0.0250	5.00		104	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	7.30		8.00		91.2	70-130			

Matrix Spike (2524019-MS1)

Source: E506055-05

Prepared: 06/09/25 Analyzed: 06/10/25

Benzene	5.31	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130			
Toluene	5.28	0.0250	5.00	ND	106	70-130			
o-Xylene	5.18	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			

Matrix Spike Dup (2524019-MSD1)

Source: E506055-05

Prepared: 06/09/25 Analyzed: 06/10/25

Benzene	5.08	0.0250	5.00	ND	102	70-130	4.32	27	
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130	4.11	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	4.26	20	
o-Xylene	4.98	0.0250	5.00	ND	99.5	70-130	3.98	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	4.05	23	
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130	4.02	26	
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 8:16:56AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524019-BLK1) Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

LCS (2524019-BS2) Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

Matrix Spike (2524019-MS2) Source: E506055-05 Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2524019-MSD2) Source: E506055-05 Prepared: 06/09/25 Analyzed: 06/10/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130	7.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 8:16:56AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524050-BLK1) Prepared: 06/10/25 Analyzed: 06/11/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.3		50.0		94.5	61-141			

LCS (2524050-BS1) Prepared: 06/10/25 Analyzed: 06/11/25

Diesel Range Organics (C10-C28)	216	25.0	250		86.4	66-144			
Surrogate: n-Nonane	46.5		50.0		93.0	61-141			

Matrix Spike (2524050-MS1) Source: E506055-11 Prepared: 06/10/25 Analyzed: 06/11/25

Diesel Range Organics (C10-C28)	189	25.0	250	ND	75.8	56-156			
Surrogate: n-Nonane	44.7		50.0		89.4	61-141			

Matrix Spike Dup (2524050-MSD1) Source: E506055-11 Prepared: 06/10/25 Analyzed: 06/11/25

Diesel Range Organics (C10-C28)	212	25.0	250	ND	84.9	56-156	11.3	20	
Surrogate: n-Nonane	48.4		50.0		96.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:16:56AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524040-BLK1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	ND	20.0							
LCS (2524040-BS1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2524040-MS1)					Source: E506055-10		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	421	200	250	ND	169	80-120			M6
Matrix Spike Dup (2524040-MSD1)					Source: E506055-10		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	421	200	250	ND	168	80-120	0.0974	20	M6

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:	Tom Matthews 10 24S 28E RB #203H	
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	Reported:
Dallas TX, 75240	Project Manager:	Daniel Dominguez	06/13/25 08:16

- M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client: Matador Resources Company				Bill To				Lab Use Only				TAT				EPA Program							
Project: Tom Matthews 10 24S 28E RB #203H				Attention: Jason Touchet				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Daniel Dominguez				Address: 5400 LBJ Freeway Ste 1500				E506055		23502-0001					X								
Address: 4024 Plains Hwy				City, State, Zip: Dallas				Analysis and Method											RCRA				
City, State, Zip: Lovington, NM 88260, NM, 88260				Phone: 3376523463				DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	State					
Email: pm@hungry-horse.com				Email: jason.touchet@matadorresources.com														NM	CO	UT	AZ	TX	
Report due by:																		X					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number											Remarks						
	5-Jun	Soil	1	SP7	Surf	1									X		3.1						
	5-Jun	Soil	1	SP7	1'	2									X		3.8						
	5-Jun	Soil	1	SP7	2'	3									X		3.9						
	5-Jun	Soil	1	SP7	3'	4									X		3.2						
	5-Jun	Soil	1	SP7	4'	5									X		2.3						
	5-Jun	Soil	1	SP8	Surf	6									X		4.0						
	5-Jun	Soil	1	SP8	1'	7									X		3.8						
	5-Jun	Soil	1	SP8	2'	8									X		2.8						
	5-Jun	Soil	1	SP8	3'	9									X		3.0						
	5-Jun	Soil	1	SP8	4'	10									X		3.1						

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6.6.25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6.6.25	1630	<i>[Signature]</i>	6.6.25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	6.6.25	2300	<i>Caitlin Mann</i>	6.6.25	1000	

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.

Client: Matador Resources Company				Bill To				Lab Use Only				TAT				EPA Program						
Project: Tom Matthews 10 24S 28E RB #203H				Attention: Jason Touchet				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Daniel Dominguez				Address: 5400 LBJ Freeway Ste 1500				E-506055		23502-0001					X							
Address: 4024 Plains Hwy				City, State, Zip: Dallas				Analysis and Method											RCRA			
City, State, Zip: Lovington, NM 88260, NM, 88260				Phone: 3376523463														State				
Phone: 575 393-3386				Email: jason.touchet@matadorresources.com														NM	CO	UT	AZ	TX
Email: pm@hungry-horse.com																		X				
Report due by:																		Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/GRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX						
	5-Jun	Soil	1	SP9	Surf	11									X			1.4				
	5-Jun	Soil	1	SP9	1'	12									X			1.0				
	5-Jun	Soil	1	SP9	2'	13									X			3.0				
	5-Jun	Soil	1	SP9	3'	14									X			3.6				
	5-Jun	Soil	1	SP9	4'	15									X			1.4				
	5-Jun	Soil	1	SP10	Surf	16									X			2.8				
	5-Jun	Soil	1	SP10	1'	17									X			1.4				
	5-Jun	Soil	1	SP10	2'	18									X			3.5				
	5-Jun	Soil	1	SP10	3'	19									X			2.5				
	5-Jun	Soil	1	SP10	4'	20									X			2.8				

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>Dan Dany</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6-6-25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-6-25	1630	<i>Michelle J.</i>	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle J.</i>	6-6-25	2300	<i>Caitlynn</i>	6-7-25	1000	

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 Analytical Laboratory

Printed: 6/9/2025 12:09:56PM

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:	06/07/25 10:00	Work Order ID:	E506055
Phone:	(972) 371-5200	Date Logged In:	06/06/25 15:38	Logged In By:	Caitlin Mars
Email:	pm@hungry-horse.com	Due Date:	06/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Tom Matthews 10 24S 28E RB #203H has been separated into 6 reports. WOs are E506053 to E506058. Time sampled and sampled by not provided on COC.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Daniel Dominguez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tom Matthews 10 24S 28E RB
#203H

Work Order: E506056

Job Number: 23502-0001

Received: 6/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/13/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/13/25



Daniel Dominguez
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Tom Matthews 10 24S 28E RB #203H
Workorder: E506056
Date Received: 6/7/2025 10:00:25AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2025 10:00:25AM, under the Project Name: Tom Matthews 10 24S 28E RB #203H.

The analytical test results summarized in this report with the Project Name: Tom Matthews 10 24S 28E RB #203H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 06/13/25 14:09
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP11 Surf	E506056-01A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP11 1'	E506056-02A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP11 2'	E506056-03A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP11 3'	E506056-04A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP11 4'	E506056-05A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP12 Surf	E506056-06A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP12 1'	E506056-07A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP12 2'	E506056-08A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP12 3'	E506056-09A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP12 4'	E506056-10A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP13 Surf	E506056-11A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP13 1'	E506056-12A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP13 2'	E506056-13A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP13 3'	E506056-14A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP13 4'	E506056-15A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP14 Surf	E506056-16A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP14 1'	E506056-17A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP14 2'	E506056-18A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP14 3'	E506056-19A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP14 4'	E506056-20A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name: Tom Matthews 10 24S 28E RB #203H

Project Number: 23502-0001

Project Manager: Daniel Dominguez

Reported:

6/13/2025 2:09:08PM

SP11 Surf

E506056-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	332	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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SP11 1'
E506056-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	101 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	427	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP11 2'

E506056-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	273	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP11 3'

E506056-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524047
Chloride	319	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP11 4'

E506056-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524047
Chloride	421	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP12 Surf

E506056-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524047
Chloride	406	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP12 1'

E506056-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	315	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP12 2'

E506056-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524047
Chloride	218	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP12 3'

E506056-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.8 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>	104 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	332	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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SP12 4'

E506056-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
Surrogate: 4-Bromochlorobenzene-PID	98.1 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	102 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	314	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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SP13 Surf
E506056-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
Surrogate: 4-Bromochlorobenzene-PID	96.9 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	98.0 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	417	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP13 1'

E506056-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	259	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP13 2'

E506056-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.2 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.5 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>	97.2 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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SP13 3'

E506056-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
Surrogate: 4-Bromochlorobenzene-PID	96.9 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	36.4	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	81.6	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	98.9 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	416	100	5	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP13 4'

E506056-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	268	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP14 Surf

E506056-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	97.0 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524047
Chloride	ND	200	10	06/10/25	06/10/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:09:08PM

SP14 1'

E506056-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	ND	200	10	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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SP14 2'

E506056-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	114 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	ND	200	10	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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SP14 3'

E506056-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.9 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	101 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	ND	200	10	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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SP14 4'

E506056-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Benzene	ND	0.0250	1	06/09/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/13/25	
Toluene	ND	0.0250	1	06/09/25	06/13/25	
o-Xylene	ND	0.0250	1	06/09/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/13/25	
Surrogate: 4-Bromochlorobenzene-PID	96.1 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		06/09/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	98.4 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524047	
Chloride	226	200	10	06/10/25	06/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:09:08PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524028-BLK1) Prepared: 06/09/25 Analyzed: 06/12/25

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	8.19		8.00		102	70-130			

LCS (2524028-BS1) Prepared: 06/09/25 Analyzed: 06/12/25

Benzene	5.63	0.0250	5.00		113	70-130			
Ethylbenzene	5.49	0.0250	5.00		110	70-130			
Toluene	5.58	0.0250	5.00		112	70-130			
o-Xylene	5.42	0.0250	5.00		108	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike (2524028-MS1) Source: E506056-04 Prepared: 06/09/25 Analyzed: 06/12/25

Benzene	5.61	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130			
Toluene	5.55	0.0250	5.00	ND	111	70-130			
o-Xylene	5.39	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike Dup (2524028-MSD1) Source: E506056-04 Prepared: 06/09/25 Analyzed: 06/12/25

Benzene	5.57	0.0250	5.00	ND	111	70-130	0.695	27	
Ethylbenzene	5.41	0.0250	5.00	ND	108	70-130	1.09	26	
Toluene	5.51	0.0250	5.00	ND	110	70-130	0.835	20	
o-Xylene	5.34	0.0250	5.00	ND	107	70-130	0.942	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	1.14	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	1.07	26	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:09:08PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524028-BLK1) Prepared: 06/09/25 Analyzed: 06/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

LCS (2524028-BS2) Prepared: 06/09/25 Analyzed: 06/12/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike (2524028-MS2) Source: E506056-04 Prepared: 06/09/25 Analyzed: 06/12/25

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike Dup (2524028-MSD2) Source: E506056-04 Prepared: 06/09/25 Analyzed: 06/12/25

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130	1.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:09:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524051-BLK1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.3	61-141			

LCS (2524051-BS1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2524051-MS1)					Source: E506056-08		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	55.8		50.0		112	61-141			

Matrix Spike Dup (2524051-MSD1)					Source: E506056-08		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	5.63	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:09:08PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524047-BLK1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	ND	20.0							
LCS (2524047-BS1)					Prepared: 06/10/25 Analyzed: 06/10/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2524047-MS1)					Source: E506056-04		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	593	200	250	319	110	80-120			
Matrix Spike Dup (2524047-MSD1)					Source: E506056-04		Prepared: 06/10/25 Analyzed: 06/10/25		
Chloride	582	200	250	319	105	80-120	1.78	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:	Tom Matthews 10 24S 28E RB #203H	
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	Reported:
Dallas TX, 75240	Project Manager:	Daniel Dominguez	06/13/25 14:09

- 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.

Client: Matador Resources Company		Bill To		Lab Use Only				TAT				EPA Program	
Project: Tom Matthews 10 24S 28E RB #203H		Attention: Jason Touchet		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Daniel Dominguez		Address: 5400 LBJ Freeway Ste 1500		E5060056		23502-0001					X		
Address: 4024 Plains Hwy		City, State, Zip: Dallas		Analysis and Method								RCRA	
City, State, Zip: Lovington, NM 88260, NM, 8826		Phone: 3376523463										State	
Phone: 575 393-3386		Email: jason.touchet@matadorresources.com										NM CO UT AZ TX	
Email: pm@hungry-horse.com												X	
Report due by:												Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX		Remarks
	5-Jun	Soil	1	SP11	Surf	1								X			2.2
	5-Jun	Soil	1	SP11	1'	2								X			1.9
	5-Jun	Soil	1	SP11	2'	3								X			2.1
	5-Jun	Soil	1	SP11	3'	4								X			2.2
	5-Jun	Soil	1	SP11	4'	5								X			2.8
	5-Jun	Soil	1	SP12	Surf	6								X			3.7
	5-Jun	Soil	1	SP12	1'	7								X			3.2
	5-Jun	Soil	1	SP12	2'	8								X			2.4
	5-Jun	Soil	1	SP12	3'	9								X			3.4
	5-Jun	Soil	1	SP12	4'	10								X			2.9

Additional Instructions:

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: _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
_____	6/6/25	1400	Michelle Gonzales	6.6.25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Michelle Gonzales	6.6.25	1630	_____	6.6.25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
_____	6.6.25	2300	Caitlin Mann	10.7.25	1000	

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.



Released to Imaging: 7/8/2025 2:04:14 PM

Received by OCD: 7/7/2025 9:07:55 AM

Page 164 of 250

E500056 CM 6/7/25

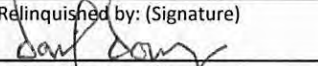
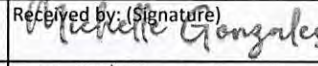
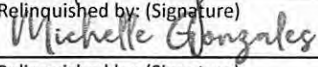
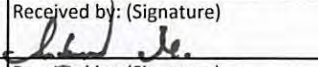
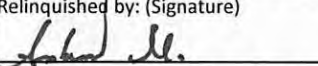

Client: Matador Resources Company Project: Tom Matthews 10 24S 28E RB #203H Project Manager: Daniel Dominguez Address: 4024 Plains Hwy City, State, Zip: Lovington, NM 88260, NM, 88260 Phone: 575 393-3386 Email: pm@hungry-horse.com Report due by:				Bill To Attention: Jason Touchet Address: 5400 LBJ Freeway Ste 1500 City, State, Zip: Dallas Phone: 3376523463 Email: jason.touchet@matadorresources.com				Lab Use Only				TAT				EPA Program					
								Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
								E505		23502-0001					X						
								Analysis and Method										RCRA			
																		State			
				DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX		Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number															
	5-Jun	Soil	1	SP13	Surf	11									X					3.5	
	5-Jun	Soil	1	SP13	1'	12									X					3.1	
	5-Jun	Soil	1	SP13	2'	13									X					3.5	
	5-Jun	Soil	1	SP13	3'	14									X					3.4	
	5-Jun	Soil	1	SP13	4'	15									X					2.5	
	5-Jun	Soil	1	SP14	Surf	16									X					2.6	
	5-Jun	Soil	1	SP14	1'	17									X					3.2	
	5-Jun	Soil	1	SP14	2'	18									X					2.9	
	5-Jun	Soil	1	SP14	3'	19									X					3.3	
	5-Jun	Soil	1	SP14	4'	20									X					4.1	

Additional Instructions:

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 5 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____	
		6/6/25	1400			6.6.25	1400		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time		
		6.6.25	1630			6.6.25	1630		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time		
		6.6.25	2300			6.7.25	1000		

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 Analytical Laboratory

Printed: 6/10/2025 2:48:24PM

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:	06/07/25 10:00	Work Order ID:	E506056
Phone:	(972) 371-5200	Date Logged In:	06/06/25 15:42	Logged In By:	Caitlin Mars
Email:	pm@hungry-horse.com	Due Date:	06/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Tom Matthews 10 24S 28E RB #203H has been separated into 6 reports. WOs are E506053 to E506058. Time sampled and sampled by not provided on COC.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Daniel Dominguez



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: Tom Matthews 10 24S 28E RB
#203H

Work Order: E506057

Job Number: 23502-0001

Received: 6/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/13/25

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: 6/13/25

Daniel Dominguez
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Tom Matthews 10 24S 28E RB #203H
Workorder: E506057
Date Received: 6/7/2025 10:00:25AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2025 10:00:25AM, under the Project Name: Tom Matthews 10 24S 28E RB #203H.

The analytical test results summarized in this report with the Project Name: Tom Matthews 10 24S 28E RB #203H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 06/13/25 08:11
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP15 Surf	E506057-01A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP15 1'	E506057-02A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP15 2'	E506057-03A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP15 3'	E506057-04A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP15 4'	E506057-05A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP16 Surf	E506057-06A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP16 1'	E506057-07A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP16 2'	E506057-08A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP16 3'	E506057-09A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP16 4'	E506057-10A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
SP17 Surf	E506057-11A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP17 1'	E506057-12A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP17 2'	E506057-13A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP17 3'	E506057-14A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP17 4'	E506057-15A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP18 Surf	E506057-16A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP18 1'	E506057-17A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP18 2'	E506057-18A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP18 3'	E506057-19A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP18 4'	E506057-20A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP15 Surf

E506057-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		96.6 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	195	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
---	---	----------------------------------

SP15 1'

E506057-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	97.7 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	144	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP15 2'

E506057-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	98.5 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	ND	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP15 3'

E506057-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2524054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		90.9 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524048
Chloride	139	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP15 4'

E506057-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>		99.1 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	187	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP16 Surf

E506057-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2524054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		99.3 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524048
Chloride	349	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP16 1'

E506057-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	113 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	141	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP16 2'

E506057-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	97.7 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	300	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP16 3'

E506057-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2524054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		99.9 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524048
Chloride	322	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP16 4'

E506057-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	102 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	263	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP17 Surf
E506057-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	99.5 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	323	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP17 1'

E506057-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	98.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	101 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	345	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP17 2'

E506057-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	102 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	99.1 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	352	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP17 3'

E506057-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	99.4 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	411	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP17 4'

E506057-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2524054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524048
Chloride	307	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP18 Surf

E506057-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2524054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524048
Chloride	368	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP18 1'

E506057-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2524054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		99.2 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524048
Chloride	289	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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SP18 2'

E506057-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		97.2 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	301	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP18 3'

E506057-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524048	
Chloride	373	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 8:11:34AM

SP18 4'

E506057-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524029
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2524054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		98.6 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524048
Chloride	406	100	5	06/10/25	06/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 8:11:34AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524029-BLK1)

Prepared: 06/09/25 Analyzed: 06/11/25

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	7.95		8.00		99.4	70-130			

LCS (2524029-BS1)

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	4.55	0.0250	5.00		90.9	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.5	70-130			
Toluene	4.51	0.0250	5.00		90.3	70-130			
o-Xylene	4.51	0.0250	5.00		90.1	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.6	0.0250	15.0		90.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.3	70-130			

Matrix Spike (2524029-MS1)

Source: E506057-08

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.46	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130			
Toluene	5.44	0.0250	5.00	ND	109	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			

Matrix Spike Dup (2524029-MSD1)

Source: E506057-08

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.40	0.0250	5.00	ND	108	70-130	1.21	27	
Ethylbenzene	5.33	0.0250	5.00	ND	107	70-130	1.77	26	
Toluene	5.36	0.0250	5.00	ND	107	70-130	1.36	20	
o-Xylene	5.32	0.0250	5.00	ND	106	70-130	1.50	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	1.98	23	
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130	1.82	26	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 8:11:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524029-BLK1) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

LCS (2524029-BS2) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.57		8.00		107	70-130			

Matrix Spike (2524029-MS2) Source: E506057-08 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.59		8.00		107	70-130			

Matrix Spike Dup (2524029-MSD2) Source: E506057-08 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	1.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 8:11:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524054-BLK1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	61-141			

LCS (2524054-BS1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	250	25.0	250		100	66-144			
Surrogate: n-Nonane	47.6		50.0		95.3	61-141			

Matrix Spike (2524054-MS1)					Source: E506057-11		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	47.7		50.0		95.5	61-141			

Matrix Spike Dup (2524054-MSD1)					Source: E506057-11		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	2.58	20	
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 8:11:34AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524048-BLK1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Chloride	ND	20.0							
LCS (2524048-BS1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2524048-MS1)					Source: E506057-05		Prepared: 06/10/25 Analyzed: 06/11/25		
Chloride	413	100	250	187	90.4	80-120			
Matrix Spike Dup (2524048-MSD1)					Source: E506057-05		Prepared: 06/10/25 Analyzed: 06/11/25		
Chloride	428	100	250	187	96.4	80-120	3.55	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:	Tom Matthews 10 24S 28E RB #203H	
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	Reported:
Dallas TX, 75240	Project Manager:	Daniel Dominguez	06/13/25 08:11

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.



Client: Matador Resources Company		Bill To		Lab Use Only				TAT				EPA Program	
Project: Tom Matthews 10 24S 28E RB #203H		Attention: Jason Touchet		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Daniel Dominguez		Address: 5400 LBJ Freeway Ste 1500		E506057		23502-0001					X		
Address: 4024 Plains Hwy		City, State, Zip: Dallas		Analysis and Method									RCRA
City, State, Zip: Lovington, NM 88260, NM, 88260		Phone: 3376523463											
Phone: 575 393-3386		Email: jason.touchet@matadorresources.com											
Email: pm@hungry-horse.com													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX		State	Remarks
	5-Jun	Soil	1	SP15	Surf	1								X				4.2
	5-Jun	Soil	1	SP15	1'	2								X				2.4
	5-Jun	Soil	1	SP15	2'	3								X				3.4
	5-Jun	Soil	1	SP15	3'	4								X				1.8
	5-Jun	Soil	1	SP15	4'	5								X				2.9
	5-Jun	Soil	1	SP16	Surf	6								X				3.4
	5-Jun	Soil	1	SP16	1'	7								X				3.8
	5-Jun	Soil	1	SP16	2'	8								X				1.6
	5-Jun	Soil	1	SP16	3'	9								X				2.8
	5-Jun	Soil	1	SP16	4'	10								X				1.7

Additional Instructions:

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 5 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>Samuel...</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6-6-25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-6-25	1630	<i>John J.</i>	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>John J.</i>	6-6-25	2300	<i>Caitlin Mann</i>	6-7-25	1000	

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.

Client: Matador Resources Company				Bill To				Lab Use Only				TAT				EPA Program						
Project: Tom Matthews 10 24S 28E RB #203H				Attention: Jason Touchet				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Daniel Dominguez				Address: 5400 LBJ Freeway Ste 1500				E506051		23502-0001					X							
Address: 4024 Plains Hwy				City, State, Zip: Dallas				Analysis and Method											RCRA			
City, State, Zip: Lovington, NM 88260, NM, 88260				Phone: 3376523463														State				
Phone: 575 393-3386				Email: jason.touchet@matadorresources.com														NM	CO	UT	AZ	TX
Email: pm@hungry-horse.com																		X				
Report due by:																		Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX						
	6-Jun	Soil	1	SP17	Surf	11									X			3.1				
	6-Jun	Soil	1	SP17	1'	12									X			3.3				
	6-Jun	Soil	1	SP17	2'	13									X			4.0				
	6-Jun	Soil	1	SP17	3'	14									X			3.7				
	6-Jun	Soil	1	SP17	4'	15									X			3.4				
	6-Jun	Soil	1	SP18	Surf	16									X			4.2				
	6-Jun	Soil	1	SP18	1'	17									X			3.5				
	6-Jun	Soil	1	SP18	2'	18									X			3.6				
	6-Jun	Soil	1	SP18	3'	19									X			2.8				
	6-Jun	Soil	1	SP18	4'	20									X			2.6				

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	6/6/25	1400	Michelle Gonzales	6.6.25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	6.6.25	1630	<i>[Signature]</i>	6.6.25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	6.6.25	2300	<i>[Signature]</i>	6.7.25	1000	

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 Analytical Laboratory

Printed: 6/9/2025 12:08:42PM

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:	06/07/25 10:00	Work Order ID:	E506057
Phone:	(972) 371-5200	Date Logged In:	06/06/25 15:45	Logged In By:	Caitlin Mars
Email:	pm@hungry-horse.com	Due Date:	06/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Tom Matthews 10 24S 28E RB #203H has been separated into 6 reports. WOs are E506053 to E506058. Time sampled and sampled by not provided on COC.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Daniel Dominguez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Tom Matthews 10 24S 28E RB
#203H

Work Order: E506058

Job Number: 23502-0001

Received: 6/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/13/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/13/25

Daniel Dominguez
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Tom Matthews 10 24S 28E RB #203H
Workorder: E506058
Date Received: 6/7/2025 10:00:25AM

Daniel Dominguez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2025 10:00:25AM, under the Project Name: Tom Matthews 10 24S 28E RB #203H.

The analytical test results summarized in this report with the Project Name: Tom Matthews 10 24S 28E RB #203H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
06/13/25 14:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP19 Surf	E506058-01A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP19 1'	E506058-02A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP19 2'	E506058-03A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP19 3'	E506058-04A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP19 4'	E506058-05A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP20 Surf	E506058-06A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP20 1'	E506058-07A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP20 2'	E506058-08A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP20 3'	E506058-09A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP20 4'	E506058-10A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP21 Surf	E506058-11A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP21 1'	E506058-12A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP21 2'	E506058-13A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP21 3'	E506058-14A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP21 4'	E506058-15A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP22 Surf	E506058-16A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP22 1'	E506058-17A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP22 2'	E506058-18A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP22 3'	E506058-19A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP22 4'	E506058-20A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP23 Surf	E506058-21A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP23 1'	E506058-22A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP23 2'	E506058-23A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP23 3'	E506058-24A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.
SP23 4'	E506058-25A	Soil	06/06/25	06/07/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name: Tom Matthews 10 24S 28E RB #203H

Project Number: 23502-0001

Project Manager: Daniel Dominguez

Reported:

6/13/2025 2:11:21PM

SP19 Surf

E506058-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	122	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP19 1'

E506058-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	97.7 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	102 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
Surrogate: n-Nonane	101 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	239	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP19 2'

E506058-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		99.8 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	259	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP19 3'

E506058-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	171	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP19 4'

E506058-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	392	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP20 Surf

E506058-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.2 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	149	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP20 1'

E506058-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		99.9 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	143	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP20 2'

E506058-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/11/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/10/25	06/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	138	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP20 3'

E506058-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	99.5 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	107 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	211	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP20 4'

E506058-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	427	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP21 Surf
E506058-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	152	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP21 1'

E506058-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	110	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP21 2'

E506058-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
Surrogate: n-Nonane	100 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	170	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP21 3'

E506058-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	257	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP21 4'

E506058-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	228	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP22 Surf

E506058-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2524055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524049	
Chloride	229	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP22 1'

E506058-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	150	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP22 2'

E506058-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	178	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP22 3'

E506058-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	346	100	5	06/10/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP22 4'

E506058-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Benzene	ND	0.0250	1	06/09/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/12/25	
Toluene	ND	0.0250	1	06/09/25	06/12/25	
o-Xylene	ND	0.0250	1	06/09/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524030
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	06/09/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524049
Chloride	ND	100	5	06/10/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP23 Surf
E506058-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.3 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2524094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/12/25	
Surrogate: n-Nonane	121 %	61-141		06/12/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524072	
Chloride	ND	100	5	06/11/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP23 1'

E506058-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	124 %	61-141		06/12/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524072	
Chloride	ND	200	10	06/11/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP23 2'

E506058-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524032
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2524032
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2524094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	128 %	61-141		06/12/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524072
Chloride	ND	200	10	06/11/25	06/11/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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SP23 3'

E506058-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	125 %	61-141		06/12/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524072	
Chloride	ND	200	10	06/11/25	06/11/25	



Sample Data

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

Project Name: Tom Matthews 10 24S 28E RB #203H
Project Number: 23502-0001
Project Manager: Daniel Dominguez

Reported:
6/13/2025 2:11:21PM

SP23 4'

E506058-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Benzene	ND	0.0250	1	06/09/25	06/11/25	
Ethylbenzene	ND	0.0250	1	06/09/25	06/11/25	
Toluene	ND	0.0250	1	06/09/25	06/11/25	
o-Xylene	ND	0.0250	1	06/09/25	06/11/25	
p,m-Xylene	ND	0.0500	1	06/09/25	06/11/25	
Total Xylenes	ND	0.0250	1	06/09/25	06/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/25	06/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		06/09/25	06/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/12/25	
<i>Surrogate: n-Nonane</i>						
	122 %	61-141		06/12/25	06/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524072	
Chloride	ND	200	10	06/11/25	06/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:11:21PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524030-BLK1)

Prepared: 06/09/25 Analyzed: 06/11/25

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	7.98		8.00		99.8	70-130			

LCS (2524030-BS1)

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.80	0.0250	5.00		116	70-130			
Ethylbenzene	5.77	0.0250	5.00		115	70-130			
Toluene	5.78	0.0250	5.00		116	70-130			
o-Xylene	5.74	0.0250	5.00		115	70-130			
p,m-Xylene	11.7	0.0500	10.0		117	70-130			
Total Xylenes	17.4	0.0250	15.0		116	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

Matrix Spike (2524030-MS1)

Source: E506058-06

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	4.87	0.0250	5.00	ND	97.5	70-130			
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130			
Toluene	4.86	0.0250	5.00	ND	97.2	70-130			
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130			
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130			
Total Xylenes	14.7	0.0250	15.0	ND	98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

Matrix Spike Dup (2524030-MSD1)

Source: E506058-06

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.15	0.0250	5.00	ND	103	70-130	5.53	27	
Ethylbenzene	5.15	0.0250	5.00	ND	103	70-130	5.77	26	
Toluene	5.15	0.0250	5.00	ND	103	70-130	5.73	20	
o-Xylene	5.15	0.0250	5.00	ND	103	70-130	5.89	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	5.81	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	5.84	26	
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:11:21PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524032-BLK1)

Prepared: 06/09/25 Analyzed: 06/11/25

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	7.07		8.00		88.4	70-130			

LCS (2524032-BS1)

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.22	0.0250	5.00		104	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

Matrix Spike (2524032-MS1)

Source: E506050-24

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.26	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130			
Toluene	5.24	0.0250	5.00	ND	105	70-130			
o-Xylene	5.13	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			

Matrix Spike Dup (2524032-MSD1)

Source: E506050-24

Prepared: 06/09/25 Analyzed: 06/11/25

Benzene	5.80	0.0250	5.00	ND	116	70-130	9.65	27	
Ethylbenzene	5.65	0.0250	5.00	ND	113	70-130	8.49	26	
Toluene	5.74	0.0250	5.00	ND	115	70-130	9.12	20	
o-Xylene	5.62	0.0250	5.00	ND	112	70-130	9.13	25	
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130	8.04	23	
Total Xylenes	17.0	0.0250	15.0	ND	113	70-130	8.39	26	
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:11:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524030-BLK1) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

LCS (2524030-BS2) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.58		8.00		107	70-130			

Matrix Spike (2524030-MS2) Source: E506058-06 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

Matrix Spike Dup (2524030-MSD2) Source: E506058-06 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.7	70-130	7.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.46		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:11:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524032-BLK1) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

LCS (2524032-BS2) Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	38.0	20.0	50.0		75.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

Matrix Spike (2524032-MS2) Source: E506050-24 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	38.3	20.0	50.0	ND	76.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

Matrix Spike Dup (2524032-MSD2) Source: E506050-24 Prepared: 06/09/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	37.2	20.0	50.0	ND	74.4	70-130	2.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:11:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524055-BLK1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.8		50.0		99.5	61-141			

LCS (2524055-BS1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Diesel Range Organics (C10-C28)	243	25.0	250		97.1	66-144			
Surrogate: n-Nonane	49.8		50.0		99.6	61-141			

Matrix Spike (2524055-MS1)					Source: E506058-05		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156			
Surrogate: n-Nonane	50.9		50.0		102	61-141			

Matrix Spike Dup (2524055-MSD1)					Source: E506058-05		Prepared: 06/10/25 Analyzed: 06/11/25		
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.1	56-156	0.786	20	
Surrogate: n-Nonane	50.6		50.0		101	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Tom Matthews 10 24S 28E RB #203H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	
Dallas TX, 75240	Project Manager:	Daniel Dominguez	6/13/2025 2:11:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524094-BLK1)					Prepared: 06/12/25 Analyzed: 06/12/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.1		50.0		118	61-141			

LCS (2524094-BS1)					Prepared: 06/12/25 Analyzed: 06/12/25				
Diesel Range Organics (C10-C28)	285	25.0	250		114	66-144			
Surrogate: n-Nonane	57.0		50.0		114	61-141			

Matrix Spike (2524094-MS1)					Source: E506058-25		Prepared: 06/12/25 Analyzed: 06/12/25		
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	61.2		50.0		122	61-141			

Matrix Spike Dup (2524094-MSD1)					Source: E506058-25		Prepared: 06/12/25 Analyzed: 06/12/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	1.47	20	
Surrogate: n-Nonane	58.7		50.0		117	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524049-BLK1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Chloride	ND	20.0							
LCS (2524049-BS1)					Prepared: 06/10/25 Analyzed: 06/11/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2524049-MS1)					Source: E506058-03		Prepared: 06/10/25 Analyzed: 06/11/25		
Chloride	502	100	250	259	97.4	80-120			
Matrix Spike Dup (2524049-MSD1)					Source: E506058-03		Prepared: 06/10/25 Analyzed: 06/11/25		
Chloride	461	100	250	259	81.2	80-120	8.42	20	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Tom Matthews 10 24S 28E RB #203H Project Number: 23502-0001 Project Manager: Daniel Dominguez	Reported: 6/13/2025 2:11:21PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2524072-BLK1)					Prepared: 06/11/25 Analyzed: 06/11/25				
Chloride	ND	20.0							
LCS (2524072-BS1)					Prepared: 06/11/25 Analyzed: 06/11/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2524072-MS1)					Source: E506063-03		Prepared: 06/11/25 Analyzed: 06/11/25		
Chloride	275	20.0	250	ND	110	80-120			
Matrix Spike Dup (2524072-MSD1)					Source: E506063-03		Prepared: 06/11/25 Analyzed: 06/11/25		
Chloride	274	20.0	250	ND	110	80-120	0.151	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:	Tom Matthews 10 24S 28E RB #203H	
5400 LBJ Freeway, Suite 1500	Project Number:	23502-0001	Reported:
Dallas TX, 75240	Project Manager:	Daniel Dominguez	06/13/25 14:11

- 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.



Client: Matador Resources Company				Bill To			Lab Use Only						TAT				EPA Program				
Project: Tom Matthews 10 24S 28E RB #203H				Attention: Jason Touchet			Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Daniel Dominguez				Address: 5400 LBJ Freeway Ste 1500			E506058		23502-0001							X					
Address: 4024 Plains Hwy				City, State, Zip: Dallas			Analysis and Method												RCRA		
City, State, Zip: Lovington, NM 88260, NM, 88260				Phone: 3376523463			DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	State				
Email: pm@hungry-horse.com				Email: jason.touchet@matadorresources.com													NM	CO	UT	AZ	TX
Report due by:																	X				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number											Remarks				
	6-Jun	Soil	1	SP19	Surf	1								X			2.6				
	6-Jun	Soil	1	SP19	1'	2								X			3.4				
	6-Jun	Soil	1	SP19	2'	3								X			3.0				
	6-Jun	Soil	1	SP19	3'	4								X			2.8				
	6-Jun	Soil	1	SP19	4'	5								X			1.6				
	6-Jun	Soil	1	SP20	Surf	6								X			1.4				
	6-Jun	Soil	1	SP20	1'	7								X			2.8				
	6-Jun	Soil	1	SP20	2'	8								X			3.7				
	6-Jun	Soil	1	SP20	3'	9								X			4.0				
	6-Jun	Soil	1	SP20	4'	10								X			2.8				

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>Sanjay</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6-6-25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-6-25	1630	<i>LLH</i>	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>LLH</i>	6-6-25	2300	<i>Caitlin Mann</i>	6-7-25	1000	

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.

Client: Matador Resources Company		Bill To		Lab Use Only				TAT				EPA Program	
Project: Tom Matthews 10 24S 28E RB #203H		Attention: Jason Touchet		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Daniel Dominguez		Address: 5400 LBJ Freeway Ste 1500		E5060058		23502-0001					X		
Address: 4024 Plains Hwy		City, State, Zip: Dallas		Analysis and Method									RCRA
City, State, Zip: Lovington, NM 88260, NM, 88260		Phone: 3376523463											
Phone: 575 393-3386		Email: jason.touchet@matadorresources.com											
Email: pm@hungry-horse.com													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			State	Remarks
	6-Jun	Soil	1	SP21	Surf	11									X				NM	1.5
	6-Jun	Soil	1	SP21	1'	12									X				CO	3.1
	6-Jun	Soil	1	SP21	2'	13									X				UT	4.0
	6-Jun	Soil	1	SP21	3'	14									X				AZ	3.4
	6-Jun	Soil	1	SP21	4'	15									X				TX	1.4
	6-Jun	Soil	1	SP22	Surf	16									X					2.6
	6-Jun	Soil	1	SP22	1'	17									X					2.9
	6-Jun	Soil	1	SP22	2'	18									X					3.6
	6-Jun	Soil	1	SP22	3'	19									X					3.4
	6-Jun	Soil	1	SP22	4'	20									X					3.0

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>Don Dominguez</i>	6/6/25	1400	<i>Michelle Gonzales</i>	6-6-25	1400	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-6-25	1630	<i>John M.</i>	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>John M.</i>	6-6-25	2300	<i>Caitlin Mann</i>	6-7-25	1000	

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.

Client: Matador Resources Company		Bill To		Lab Use Only				TAT				EPA Program						
Project: Tom Matthews 10 24S 28E RB #203H		Attention: Jason Touchet		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Daniel Dominguez		Address: 5400 LBJ Freeway Ste 1500		55010058		23502.0001					X							
Address: 4024 Plains Hwy		City, State, Zip: Dallas		Analysis and Method										RCRA				
City, State, Zip: Lovington, NM 88260, NM, 88260		Phone: 3376523463												State				
Phone: 575 393-3386		Email: jason.touchet@matadorresources.com												NM	CO	UT	AZ	TX
Email: pm@hungry-horse.com														X				
Report due by:														Remarks				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX			
	6-Jun	Soil	1	SP23	Surf	21								X				2.6
	6-Jun	Soil	1	SP23	1'	22								X				3.5
	6-Jun	Soil	1	SP23	2'	23								X				3.2
	6-Jun	Soil	1	SP23	3'	24								X				3.1
	6-Jun	Soil	1	SP23	4'	25								X				3.8

Additional Instructions:

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	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Michelle Gonzales	6-6-25	1400	Michelle Gonzales	6-6-25	1400	
Michelle Gonzales	6-6-25	1630	John Jc.	6-6-25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
John Jc.	6-6-25	2300	Caitlin Mann	6-7-25	1000	

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 Analytical Laboratory

Printed: 6/9/2025 12:07:51PM

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:	06/07/25 10:00	Work Order ID:	E506058
Phone:	(972) 371-5200	Date Logged In:	06/06/25 15:50	Logged In By:	Caitlin Mars
Email:	pm@hungry-horse.com	Due Date:	06/13/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Tom Matthews 10 24S 28E RB #203H has been separated into 6 reports. WOs are E506053 to E506058. Time sampled and sampled by not provided on COC.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 481952

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1805132291
Incident Name	NAB1805132291 TOM MATTHEWS 10 24S 28E RB #203H @ 30-015-44561
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-44561] TOM MATTHEWS 10 24S 28E RB #203H

Location of Release Source

Please answer all the questions in this group.

Site Name	TOM MATTHEWS 10 24S 28E RB #203H
Date Release Discovered	01/31/2018
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 193 BBL Recovered: 45 BBL Lost: 148 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 481952

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

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

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: 07/07/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 481952

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 1 and 100 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	21000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	05/21/2018
On what date will (or did) the final sampling or liner inspection occur	06/06/2025
On what date will (or was) the remediation complete(d)	06/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	21742
What is the estimated volume (in cubic yards) that will be remediated	1610
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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General Information
Phone: (505) 629-6116

Online Phone Directory
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 481952

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/07/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 481952

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	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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Action 481952

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	469969
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2025
What was the (estimated) number of samples that were to be gathered	125
What was the sampling surface area in square feet	20000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	21742
What was the total volume (cubic yards) remediated	1610
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	21742
What was the total volume (in cubic yards) reclaimed	1610
Summarize any additional remediation activities not included by answers (above)	Sampling activities were conducted in accordance with applicable NMOCD Regulations and approved sampling plan. Laboratory analytical results from closure confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.
<i>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>	
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: 07/07/2025

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Action 481952

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	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

Action 481952

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 481952
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/8/2025