ENSOLUM

December 9, 2024

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

Re: Deferral Request Addendum Rustler Breaks 2 Booster Station Incident Numbers nAPP2321360002 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request Addendum (DRA)* to document excavation and soil sampling activities performed at the Rustler Breaks 2 Booster Station (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil following a release of produced water onto the well pad. Based on field observations following excavation, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Deferral Request Addendum*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2321360002 until the Site is reconstructed and/or the booster pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in in Unit E, Section 06, Township 24 South, Range 28 East, in Eddy County, New Mexico (32.25081°, -104.13487°) and is associated with oil and gas exploration and production operations on private land.

On February 20, 2023, the discharge pump bracket failed causing the release of approximately 32 barrels (bbls) of produced water to the pad surface and slightly off-pad; released fluids were not recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on August 2, 2023, which is included in Appendix A. The release was assigned Incident Number nAPP2321360002.

On November 8, 2024, Ensolum submitted a *Deferral Request* (DR) to the New Mexico Oil Conservation Division (NMOCD); however, the DR was denied by the NMOCD for the following reasons:

 Deferral denied. At the top of pg. 3, it says SW09@0-10' and SW09@0-10'. Update this. Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. FS23, though vertically delineated, has not been horizontally delineated. No sidewall sample was collected around this part of the excavation and as such we don't exactly know how big of an area still needs remediation.

> Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

This DRA addresses NMOCD's concerns regarding additional delineation sampling around the area of requested deferral and the text listing side wall samples (SW08 and SW09) on page 3 was corrected.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 04085 POD 2, located approximately 0.9 miles north of the Site. The well had a reported depth to groundwater at 100 feet below ground surface (bgs) and a total depth of 240 feet bgs. All wells used for depth to groundwater determination are presented in Figure 1. The referenced well record is included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 0.83 miles east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Site receptors are identified in Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On August 21, 2023, September 5, 2023, and August 5, 2024, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Six preliminary assessment soil samples (SS01 through SS06) were collected around the release extent at ground surface to assess the lateral extent of the spill area. One borehole (BH01) was advanced via hand auger, one borehole (BH02) was advanced via backhoe, and one borehole (BH03) was advanced via a backpack drill within the release extent to assess the vertical extent of soil. Borehole BH01 was advanced to a depth of 2 feet bgs, borehole BH02 was advanced to a depth of 10 feet bgs, and BH03 was advanced to a depth of 5.5 feet bgs. The preliminary assessment soil samples were field screened for TPH using a PetroFLAG[®] soil analyzer system and chloride using Mohr method titration. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figures 2. Photographic documentation was collected, and a photographic log is included in Appendix C.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Laboratory Analysis (Envirotech) in



Farmington, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

From November 20 through November 29, 2023, and August 5 through August 6, 2024, Ensolum personnel were onsite to oversee the excavation and removal of impacted and waste-containing soil at the Site. Excavation activities were performed using a backhoe and transport vehicles. The excavation occurred on-pad, in the pasture area south of the pad, and west-southwest following the pipeline right-of-way (ROW). To direct excavation activities, soil was screened for chloride using the Mohr method titration.

Ensolum personnel returned to the Site on September 3, 2024, to excavate the remaining wastecontaining soil identified at a depth greater than 2 feet bgs in borehole (BH02). Ensolum personnel excavated confirmation sample area FS17 (BH02) to a depth of 10 feet bgs. Ensolum personnel collected two 5-point composite samples (SW08@0-10' and SW09@0-10') from the sidewalls of confirmation sample area FS17.

On November 11, 2024, Ensolum personnel returned to the Site to collect additional delineation samples around the area of requested deferral. Three additional delineation soil samples (SS07 through SS09) were collected around the area of requested deferral (confirmation soil sample location FS23) at ground surface to assess the lateral extent of the spill area. The soil samples were field screened for chloride using Mohr method titration. The soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figures 2. Photographic documentation was collected, and a photographic log is included in Appendix C.

The Site excavation area measured approximately 7,929 square feet. A total of approximately 1,379 cubic yards of soil was removed from the excavation area. The soil was transported and properly disposed of at the R360 Hobbs Facility in New Mexico.

Following removal of impacted and waste-containing soil, 5-point composite soil samples were collected at least every 200 square feet from the floor of the excavation and every 200 feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation floor soil samples FS01 through FS40 were collected at depths ranging from 1-foot to 6.5 feet bgs and excavation sidewall soil samples (SW01 through SW07) were collected at depths ranging from the ground surface to 6 feet bgs. The excavation extent and excavation soil sample locations are presented on Figure 3.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary assessment soil samples (SS01 through SS06) indicated all COC concentrations were in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results from boreholes BH01 and BH02 indicated the presence of elevated chloride concentrations at the ground surface. Laboratory analytical results from borehole BH01 indicated soil impacts from the produced water release did not extend below 2 feet bgs; however, chloride concentrations at depths greater than 2 feet bgs in sample location BH02 exceeded the Site Closure Criteria. Laboratory analytical results for preliminary assessment soil samples are summarized in Table 1.

Laboratory analytical results for excavation floor samples and excavation sidewall samples were all in compliance with the Site Closure Criteria and with the reclamation requirement except for FS23,



collected at 4-feet bgs. Delineation soil sample collected at 4.5 feet and 5.5 feet bgs in sample location BH03 were collected to verify the vertical extent of the Area of Requested Deferral. Laboratory analytical results from FS17@10' and sidewall samples (SW08@0-10' and SW09@ 0-10') were all below the Site Closure Criteria. The laboratory analytical results are summarized in Tables 2 and 3 and the complete laboratory analytical reports are included in Appendix D. All sampling notifications to NMOCD and additional correspondence is included in Appendix E.

DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment, process piping, and the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 200 square feet, and assuming a depth of up to 4.5 feet bgs under the electrical panels and pumps based on the analytical results from surrounding confirmation samples and 4 feet bgs in sample area FS23 based on delineation borehole BH03, a total of approximately 4 cubic yards of impacted soil remains in place. Soil in the vicinity of floor confirmation soil sample FS23 are included in this deferment request due to the proximity of production equipment and safety concerns of excavating deeper, which has the potential to destabilize the equipment and harm workers and/or the environment. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS09 at 0 feet bgs and vertically delineated by borehole samples BH01 at 2 feet bgs, BH02 at 2 feet bgs and borehole sample BH03 at 4.5 feet bgs.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be 100 feet bgs, and all accessible impacted soil was removed to the maximum extent practicable (MEP) during the excavation activities. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2321360002 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely, **Ensolum, LLC**

Ashley Giovengo Senior Scientist

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

cc: Jason Touchet, Matador Production Company



Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Delineation Soil Sample Analytical Results
Table 2	Excavation Soil Sample Analytical Results
Table 3	Sidewall Soil Sample Analytical Results
Appendix A	Well Log and Record
Appendix B	Photographic Log

- Appendix C
- Lithologic Soil Sampling Logs Laboratory Analytical Reports & Chain-of-Custody Documentation Email Correspondence Appendix D
- Appendix E



.



FIGURES



FIGURE

2



Delineation Soil Sample Locations

Matador Production Company Rustler Breaks 2 Booster Incident Number: nAPP2321360002 Unit E, Section 06, T 24S, R28E Eddy County, New Mexico

Released to Imaging: 12/16/2024 4:49:30 PM

Environmental, Engineering and

Hydrogeologic Consultants

Received by OCD: 12/11/2024 12:00:41 AM



Received by OCD: 12/11/2024 12:00:41 AM

FIGURE

4



Area of Requested Deferral

Matador Production Company Rustler Breaks 2 Booster Incident Number: NAPP2321360002 Unit E, Section 06, T 24S, R28E Eddy County,New Mexico

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TABLES



				Rustler Matado	TABLE 1 LE ANALYTICA Breaks 2 Booste or Production Co / County, New M	r Station mpany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Deli	neation Soil Sam	ples				
SS01	8/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200
SS02	8/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	324
SS03	8/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	450
SS04	8/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	310
SS05	8/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200
SS06	8/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200
SS07	11/22/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	243
SS08	11/22/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	298
SS09	11/22/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	170
BH01	8/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<500	16,900
BH01	8/21/2023	2	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200
BH02	8/21/2023	0	< 0.0250	< 0.0250	<20.0	35.9	<50.0	35.9	35.9	21.400
BH02	8/21/2023	1	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	4,720
BH02	9/13/2023	2	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	361
BH02	9/13/2023	3	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	709
BH02	9/13/2023	4	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	987
BH02	9/13/2023	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	909
BH02	9/13/2023	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	912
BH02	9/13/2023	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	751
BH03	8/5/2024	4.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200
BH03	8/5/2024	5.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200
S1	11/29/2023	5	NA	NA	NA	NA	NA	NA	NA	845
S1	11/29/2023	6	NA	NA	NA	NA	NA	NA	NA	2,480

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes NA: Not Analyzed

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				Rustler I Matado	TABLE 2LE ANALYTICABreaks 2 Boosteor Production Coor County, New Mage	r Station mpany								
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600				
Confirmation Floor Soil Samples														
FS01	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	393				
FS02	11/22/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	425				
FS03	11/22/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	534				
FS04	11/27/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	250				
FS05	11/22/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	423				
FS06	11/27/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	216				
FS07	11/22/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<500	381				
FS08	11/29/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	486				
FS09	11/27/2023	3	<0.0250	<0.0250	<20.0	35.9	<50.0	<50.0	<50.0	<200				
FS10	11/29/2023	3.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	449				
FS11	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	1,060				
FS11	8/5/2024	4.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	170				
FS12	11/27/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200				
FS13	11/27/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	365				
FS14	11/22/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	450				
FS15	11/22/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	450				
FS16	11/22/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	537				
FS17	11/22/2023	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	500				
FS17	9/3/2024	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	263				
FS18	11/22/2023	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	273				
FS19	11/22/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	330				
FS20	11/22/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	255				
FS21	11/27/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200				
FS22	11/28/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	221				
FS23	11/27/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	2,160				

E N S O L U M

	TABLE 2 - CONTINUED SOIL SAMPLE ANALYTICAL RESULTS Rustler Breaks 2 Booster Station Matador Production Company Eddy County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	IOCD Table I Closure Criteria (NMAC 19.15.29) 10 50 NE NE NE NE NE NE 100 600													
				Confirm	ation Floor Soil	Samples								
FS24	11/27/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	231				
FS25	11/27/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	345				
FS26	11/27/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	592				
FS27	11/28/2023	4	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	837				
FS27	8/5/2024	4.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	352				
FS28	11/28/2023	4	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	756				
FS28	8/5/2024	4.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	343				
FS29	11/28/2023	3.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200				
FS30	11/28/2023	3.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<500	<200				
FS31	11/28/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200				
FS32	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	280				
FS33	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	418				
FS34	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0				
FS35	11/29/2023	4	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	775				
FS35	8/6/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200				
FS36	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	680				
FS36	8/6/2024	6.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	262				
FS37	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	690				
FS37	8/5/2024	4.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<200				
FS38	11/29/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	3,030				
FS38	8/6/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	332				
FS39	11/28/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	296				
FS40	11/28/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	363				

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

E N S O L U M

				Rustler Matado	TABLE 3 LE ANALYTICA Breaks 2 Booste or Production Co (County, New M)	r Station ompany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Confirmat	tion Sidewall Soi	I Samples				
SW01	11/29/2023	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	254
SW02	11/29/2023	0-3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	494
SW03	11/27/2023	0-3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	411
SW04	11/28/2023	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	220
SW05	11/29/2023	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	299
SW06	11/29/2023	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	213
SW07	8/6/2024	0-6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<100
SW08	9/3/2024	0-10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	439
SW09	9/3/2024	0-10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	489

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Referenced Well Records

New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)														
Well Tag	Р	OD Number		•					Rng	(147	X	w in neu	Y	
NA	С	04085 POD2	2	2	4	1	31	23S	28E	58	2083	35699	982	9
Driller Licen	se:	1778	Driller	Со	mpa	ny	: TH	lird	GENEF	RATIC	ON DF	ILLING		
Driller Name	:	TRAVIS MANN												
Drill Start Da	ate:	10/07/2018	Drill Fi	inis	sh Da	te:	:	10/	10/2018	3	Plug	Date:		
Log File Date	e:	11/05/2018	PCW F	Rcv	Date	e:					Sour	ce:		Shallow
Pump Type:			Pipe Discharge Size:							Estimated Yield: 15 GPM				
Casing Size:		5.00	Depth	We	ell:			240) feet		Dept	h Wate	r:	100 feet
v	Vate	er Bearing Stratific	cations:		То	р	Bott	om	Descri	ption				
					16	60		180	Sandst	one/(Gravel	/Conglo	mer	ate
		Casing Perfo	orations:	:	То	р	Bott	om						
					14	10	2	240						

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.



APPENDIX B

Photographic Log

























APPENDIX C

Lithologic Soil Sampling Logs

•

								Sample Name: BH01	Date: 8/21/23		
	•		N	C	ΟΙ			Site Name: Rustler Breaks 2			
								Incident Number: nAPP232160002			
								Job Number: 03A2270010			
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Cole	Method: Hand auger		
		2.25081, -						Hole Diameter: 3"	Total Depth: 3'		
			-		ith Chloride No correction			d for chloride, respectively. C	Chloride test performed with 1:1		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologi	c Descriptions		
М			Y	BH01	0	L 0 -	SP	SAND, very fine, brown, w	vith silt.		
м	4200		N	BH01	1	1 1					
м	200		N	BH01	2	2	SP	SAND, very fine, reddish b	prown, with silt.		
D	150		N	BH01	- 3	- 3					
						Total	Depth 3	' bgs.	/		
							~				
		/									

•

Site Name: Rustler Breaks 2 Booster Incident Number: nAPP22160002 ID Number: S0220010 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Method: Backhoe Coordinates: 32.25081. 100.113601 Hole Diameter: 3" Total Depth: 10" Comments: Field register and the full of detailed water. No correction factors included. Hole Diameter: 3" Total Depth: 10" Diameter: 30:100 distilled water. No correction factors included. Depth (ft bgs) Depth (ft bgs) Depth (ft bgs) Depth (ft bgs) M Adop N BH02 0 0 CCHE CALICHE - Pad material. Chloride staining present D 550 N BH02 1 1 SP SAND, frown, very fine, with silt. No Stain or odor. D 650 N BH02 4 A SP SAND, frown, very fine, with silt. No Stain or odor. 900 BH02 4 4 SP Same as above - red clay and red gypsum absent. 800 BH02 5 5 5 Same as above - red clay and red gypsum absent. 900 BH02 4 4 Same as above - red clay and red gypsum absent. 900 BH02 5 5 Same as above - re									Sample Name: BH02	Date: 8/21/23
Job Number: 03A2270010 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Method: Backhoe Cordinates: 32:25081, -104.13501 Hole Diameter: 3' Total Depth: 10' Cornments: Field screening conducted with Chloride titraion MOHR Method for chloride, respectively. Chloride test performed with 1:1 1 Juiton factor of soil to distilled water. No correction factors included. Ital Depth: 10' Ital Depth: 10' M agging 00 0 10 0 Ital Depth: 10' M agging 00 0 10 0 Ital Depth: 10' M agging 00 0 1 0 Ital Depth: 10' M agging 00 0 1 0 Ital Depth: 10' M agging 00 N BH02 0 Ital O Ital Depth: 10' M 3400 N BH02 1 1 1 SP SAND, brown, very fine, with silt. D 550 N BH02 4 SP SAND, brown, very fine, with silt. No Stain or odor. 900 BH02 4 Sepend.				NI	C			R.A	Site Name: Rustler Breaks 2 Boo	oster
UTHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Method: Backhoe Coordinates: 32.25081, -104.13501 Hole Diameter: 3' Total Depth: 10' Comments: Field screening conducted with Chloride titraion MOHR Method for chloride, respectively. Chloride test performed with 1:1 Millution factor included. Introduction of soil to distilled water. No correction factors included. M 1000 1000 1000 0 1000 0 1000 M 3400 N BH02 1 1 SP SAND, brown, very fine, with silt. D 550 N BH02 2 2 CHE CALCHE - Pad material. Chloride staining present 900 BH02 1 1 SP SAND, brown, very fine, with silt. 900 BH02 4 GYP GYPSUM, pale white, medium grained to microcrystaling processent. 900 BH02 5 5 SAND, brown, very fine, with silt. 900 BH02 6 Sample Same as above - red clay and red gypsum absent. 800 BH02 7 Same as above - red clay and red gypsum absent.					3					
Doordinates: 32:25081, -104:13501 Hole Diameter: 3' Total Depth: 10' Comments: Field screening conducted with Chloride titraion MOHR Method for chloride, respectively. Chloride test performed with 1:1 11 Uitution factor of sol to distlicit with Chloride titraion MOHR Method for chloride, respectively. Chloride test performed with 1:1 11 Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with 1:1 11 Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with 1:1 11 M Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with 1:1 M Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with 1:1 M Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with 1:1 M Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with 1:1 M Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with 1:1 M Uitution factor of sol to distlicit with Chloride, respectively. Chloride test performed with Chloride, respectively.									Job Number: 03A2270010	
Comments: Field screening conducted with Chloride titraion MOHR Method for chloride, respectively. Chloride test performed with 1:1 and to distilled water. No correction factors included. and to distilled water. No correction factors included. and to distilled water. No correction factors included. and to distilled water. No correction factors included. Depth (ft bgs) Depth (ft bgs) Depth (ft bgs) Lithologic Descriptions M 3400 N BH02 1 1 SP SAND, brown, very fine, with silt. No Stain or odor. D 550 N BH02 2 2 2 2 D 650 N BH02 3 3 GYP GYPSUM, pale white, medium grained to microcrystalin No Stain or odor. D 650 N BH02 4 4 SP Same as above - red clay and red gypsum absent. 800 BH02 4 BH02 7 8 Same as above - red clay and red gypsum absent. 800 BH02 4 9 9 9 9 700 BH02 4 9 9 9 9 9 700 <td></td> <td></td> <td>LITHOL</td> <td>OGI</td> <td>C / SOIL S</td> <td>SAMPLING</td> <td>6 LOG</td> <td></td> <td>Logged By: Cole</td> <td>Method: Backhoe</td>			LITHOL	OGI	C / SOIL S	SAMPLING	6 LOG		Logged By: Cole	Method: Backhoe
Jiluiton factor of soil to distilled water. No correction factors included. and a	Coordi	nates: 32	2.25081, •	-104.2	13501				Hole Diameter: 3'	Total Depth: 10'
M Y BH02 0 0 CH CALICHE - Pad material. Chloride staining present M 3400 N BH02 1 1 SP SAND, brown, very fine, with silt. No Stain or odor. D 550 N BH02 2 2 2 D 650 N BH02 3 3 GYP GYPSUM, pale white, medium grained to microcrystaling poor cohesion, some inclusions of clay, red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, some inclusions of clay, red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, some inclusions of clay, red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low cohesion, staining gypsum red ~1-3 cm, low plasticity low plasticm, low plasticm, low plasticity low plastic								d for chloride, respectively. Chlo	ride test performed with 1:1	
M 3400 N BH02 1 1 SP SAND, brown, very fine, with silt. Chloride staining present D 550 N BH02 2 2 2 D 650 N BH02 3 3 GYP GYPSUM, pale white, medium grained to microcrystaling poor cohesion, some inclusions of clay, red ~1-3 cm, low plasticity low cohesion, staining gypsum red where present. 900 BH02 4 No stain or odor. 1000 BH02 55 A 800 BH02 6 No stain or odor. 700 BH02 7 Same as above - red clay and red gypsum absent. 800 BH02 9 9 700 BH02 10 9	Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Depth		USCS/Rock Symbol	Lithologic D	escriptions
D 550 N BH02 2 2 2 2 No Stain or odor. D 650 N BH02 3 3 GYP GYPSUM, pale white, medium grained to microcrystaling poor cohesion, some inclusions of clay, red "1-3 cm, low phere present. 900 BH02 4 No stain or odor. 1000 BH02 5 No stain or odor. 800 BH02 6 No stain or odor. 700 BH02 7 Same as above - red clay and red gypsum absent. 800 BH02 8 9 700 BH02 9 9 700 BH02 9 9 700 BH02 9 9 700 BH02 10 9	М			Y	BH02	0	1 0 -	CCHE		
D 650 N BH02 3 3 GYP GYPSUM, pale white, medium grained to microcrystaling poor cohesion, some inclusions of clay, red ~1-3 cm, llow plasticitly low cohesion, staining gypsum red where present. No stain or odor. 900 BH02 4 No stain or odor. 1000 BH02 5 No stain or odor. 800 BH02 6 Same as above - red clay and red gypsum absent. 800 BH02 7 Same as above - red clay and red gypsum absent. 700 BH02 9 100 700 BH02 9 100 700 BH02 9 100 700 BH02 10 100	М	3400		N	BH02	1	1	SP		silt.
900BH024poor cohesion, some inclusions of clay, red ~1-3 cm, low plasticitity low cohesion, staining gypsum red where present. No stain or odor.1000BH025800BH026700BH027800BH028700BH029700BH029700BH0210	D	550		N	BH02	2 _	2			
900 BH02 4 where present. No stain or odor. 1000 BH02 5 No 800 BH02 6 Same as above - red clay and red gypsum absent. 700 BH02 7 Same as above - red clay and red gypsum absent. 800 BH02 9 10 700 BH02 9 10 700 BH02 10 10	D	650		N	BH02	3 _	- - 3 -	GYP	poor cohesion, some inclusic	ons of clay, red ~1-3 cm,
800 BH02 6 700 BH02 7 800 BH02 7 800 BH02 8 700 BH02 9 700 BH02 10		900			BH02	-	4		where present.	
700BH027800BH028700BH029700BH0210		1000			BH02	-	- 5 -			
800 BH02 8 700 BH02 9 700 BH02 10		800			BH02	-	6			
700 BH02 9 700 BH02 10		700			BH02	-	- - 7 -		Same as above - red clay and	l red gypsum absent.
700 BH02 10		800			BH02	-	- 8			
		700			BH02	-	9			
Total Depth 10' bgs		700			BH02	-	10			
							Total [Depth 1)' bgs	

								Sample Name: BH03	Date: 8/5/24			
								Site Name: Rustler Breaks 2 Boost				
			N	>	U	LU	Μ	Incident Number: nAPP232160002				
								Job Number: 03A2270010				
		ITHOU	0610		SAMPLING	5106		Logged By: Cole	Method: Backpack drill			
Coordinat				-		100		Hole Diameter: 2"	Total Depth: 5.5'			
					/ith Chloride	titraion MC	HR Meth	od for chloride, respectively. Chlori				
					No correctio							
Moisture Content Chloride	(ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	Lithologic Des	scriptions				
D			Ν	BH03	0	L 0	CCHE	CALICHE - Pad material.				
D					1	- 1 -						
D					2	2						
D					3	3 						
D					4	4						
D 3 D	300		N N	BH03 BH03	4.5 	5	GYP	GYPSUM, pale white, medium poor cohesion, some inclusion low plastictity low cohesion No stain or odor.	grained to microcrystaline s of clay, red ~1-3 cm,			
U				Bries	5.5							
						Total	Depth =	5.5'				



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Rustler Breaks 2 Booster Station

Work Order: E308164

Job Number: 23052-0001

Received: 8/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/29/23

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: 8/29/23

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

Project Name: Rustler Breaks 2 Booster Station Workorder: E308164 Date Received: 8/23/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/23/2023 8:15:00AM, under the Project Name: Rustler Breaks 2 Booster Station.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com


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C	.1.	0	
Sam	nie	Summary	

		Sampic Sum	mai y		
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 B	ooster Station	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		
Dallas TX, 75240		Project Manager:	Ashley Giovengo		08/29/23 08:39
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E308164-01A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
SS02 - 0'	E308164-02A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
SS03 - 0'	E308164-03A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
SS04 - 0'	E308164-04A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
SS05 - 0'	E308164-05A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
SS06 - 0'	E308164-06A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
BH01 - 0'	E308164-07A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
BH01 - 2'	E308164-08A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
BH02 - 0'	E308164-09A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.
BH02 - 1'	E308164-10A	Soil	08/21/23	08/23/23	Glass Jar, 2 oz.



	~	umpic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	tler Breaks 2 Boos 52-0001 ley Giovengo	ter Station		Reported: 8/29/2023 8:39:41AM
Dunus 1A, 75240	i iojeet ividin	0	ley Glovengo			0.2372025 0.0371111
		SS01 - 0'				
		E308164-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/23/23	
Toluene	ND	0.0250	1	08/23/23	08/23/23	
o-Xylene	ND	0.0250	1	08/23/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/23/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/23/23	08/23/23	
Surrogate: 4-Bromochlorobenzene-PID		90.1 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2334043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: KM		Batch: 2334064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		75.5 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2334075
Chloride	ND	200	10	08/24/23	08/26/23	

Sample Data



Sample Data

	0	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		tler Breaks 2 Boos 52-0001	ster Station		Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo			8/29/2023 8:39:41AM
		SS02 - 0'				
		E308164-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/23/23	
Foluene	ND	0.0250	1	08/23/23	08/23/23	
p-Xylene	ND	0.0250	1	08/23/23	08/23/23	
o,m-Xylene	ND	0.0500	1	08/23/23	08/23/23	
Fotal Xylenes	ND	0.0250	1	08/23/23	08/23/23	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	'kg Analyst: RKS			Batch: 2334043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2334064		
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		76.7 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2334075
Chloride	324	40.0	2	08/24/23	08/26/23	



Sample Data

		ampic D				
Matador Resources, LLC.	Project Name		tler Breaks 2 Boos	ter Station		
5400 LBJ Freeway, Suite 1500	Project Numb	er: 230	52-0001			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			8/29/2023 8:39:41AM
		SS03 - 0'				
		E308164-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/23/23	
Toluene	ND	0.0250	1	08/23/23	08/23/23	
p-Xylene	ND	0.0250	1	08/23/23	08/23/23	
o,m-Xylene	ND	0.0500	1	08/23/23	08/23/23	
Fotal Xylenes	ND	0.0250	1	08/23/23	08/23/23	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: KM		Batch: 2334064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		88.8 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: BA		Batch: 2334075
Chloride	450	200	10	08/24/23	08/26/23	



Sample Data

	D	ampic D	ucu			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	tler Breaks 2 Boos 52-0001 ley Giovengo	ter Station		Reported: 8/29/2023 8:39:41AM
		SS04 - 0'				
		E308164-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/23/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/23/23	
Foluene	ND	0.0250	1	08/23/23	08/23/23	
o-Xylene	ND	0.0250	1	08/23/23	08/23/23	
p,m-Xylene	ND	0.0500	1	08/23/23	08/23/23	
Total Xylenes	ND	0.0250	1	08/23/23	08/23/23	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2334043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.7 %	70-130	08/23/23	08/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2334064		
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		91.6 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2334075
Chloride	310	200	10	08/24/23	08/26/23	

Sample Data

	5	ampic D	aia			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 230	tler Breaks 2 Boos 52-0001 ley Giovengo	ter Station		Reported: 8/29/2023 8:39:41AM
		SS05 - 0'				
		E308164-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/24/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/24/23	
Toluene	ND	0.0250	1	08/23/23	08/24/23	
p-Xylene	ND	0.0250	1	08/23/23	08/24/23	
o,m-Xylene	ND	0.0500	1	08/23/23	08/24/23	
Fotal Xylenes	ND	0.0250	1	08/23/23	08/24/23	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2334043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2334064		
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		86.4 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: BA		Batch: 2334075
Chloride	ND	200	10	08/24/23	08/26/23	



Sample Data

	~	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ler Breaks 2 Boos 52-0001 ley Giovengo	ter Station		Reported: 8/29/2023 8:39:41AM
		SS06 - 0'				
		E308164-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/24/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/24/23	
Toluene	ND	0.0250	1	08/23/23	08/24/23	
p-Xylene	ND	0.0250	1	08/23/23	08/24/23	
o,m-Xylene	ND	0.0500	1	08/23/23	08/24/23	
Total Xylenes	ND	0.0250	1	08/23/23	08/24/23	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2334064		
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Gurrogate: n-Nonane		77.4 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2334075
Chloride	ND	200	10	08/24/23	08/26/23	



Sample Data

		ampic D				
5400 LBJ Freeway, Suite 1500	Project Name Project Numb	ber: 230	tler Breaks 2 Boos 52-0001	ster Station		Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			8/29/2023 8:39:41AM
		BH01 - 0'				
		E308164-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/24/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/24/23	
Toluene	ND	0.0250	1	08/23/23	08/24/23	
o-Xylene	ND	0.0250	1	08/23/23	08/24/23	
o,m-Xylene	ND	0.0500	1	08/23/23	08/24/23	
Total Xylenes	ND	0.0250	1	08/23/23	08/24/23	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2334043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2334064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
Surrogate: n-Nonane		84.9 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2334075
Chloride	16900	400	20	08/24/23	08/26/23	



Sample Data

	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	tler Breaks 2 Boos 52-0001 ley Giovengo	ster Station		Reported: 8/29/2023 8:39:41AM
		BH01 - 2'				
		E308164-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	t: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/24/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/24/23	
Toluene	ND	0.0250	1	08/23/23	08/24/23	
p-Xylene	ND	0.0250	1	08/23/23	08/24/23	
o,m-Xylene	ND	0.0500	1	08/23/23	08/24/23	
Total Xylenes	ND	0.0250	1	08/23/23	08/24/23	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2334043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.5 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2334064		
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
urrogate: n-Nonane		81.0 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: BA		Batch: 2334075
Chloride	ND	200	10	08/24/23	08/26/23	
	- 12	200				



Sample Data

		ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb		ler Breaks 2 Boos 52-0001	ter Station		Reported:
Dallas TX, 75240	Project Manag		ley Giovengo	8/29/2023 8:39:41AM		
		BH02 - 0'				
		E308164-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/24/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/24/23	
Toluene	ND	0.0250	1	08/23/23	08/24/23	
o-Xylene	ND	0.0250	1	08/23/23	08/24/23	
o,m-Xylene	ND	0.0500	1	08/23/23	08/24/23	
Total Xylenes	ND	0.0250	1	08/23/23	08/24/23	
urrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2334043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2334064		
Diesel Range Organics (C10-C28)	35.9	25.0	1	08/24/23	08/24/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/24/23	
urrogate: n-Nonane		84.0 %	50-200	08/24/23	08/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2334075
Chloride	21400	400	20	08/24/23	08/26/23	



Sample Data

	D.	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb	er: 230	tler Breaks 2 Boo 52-0001	ster Station		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			8/29/2023 8:39:41AM
		BH02 - 1'				
		E308164-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2334043
Benzene	ND	0.0250	1	08/23/23	08/24/23	
Ethylbenzene	ND	0.0250	1	08/23/23	08/24/23	
Toluene	ND	0.0250	1	08/23/23	08/24/23	
o-Xylene	ND	0.0250	1	08/23/23	08/24/23	
p,m-Xylene	ND	0.0500	1	08/23/23	08/24/23	
Total Xylenes	ND	0.0250	1	08/23/23	08/24/23	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2334043
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/23/23	08/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.8 %	70-130	08/23/23	08/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2334064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/24/23	08/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/24/23	08/25/23	
Surrogate: n-Nonane		87.9 %	50-200	08/24/23	08/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2334075
Chloride	4720	100	5	08/24/23	08/26/23	



QC Summary Data

			(1 D 1	1 D · · · ·	:			
	-			2 Booster S	Station			Reported:
	5							
Project Manager: Ashley Giovengo								8/29/2023 8:39:41AM
	Volatile Or	rganics b	oy EPA 802	21B			Analyst: RKS	
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	8/23/23 A	Analyzed: 08/23/23
ND	0.0250					-		·
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
6.90		8.00		86.2	70-130			
						Prepared: 0	8/23/23 A	Analyzed: 08/23/23
5.10	0.0250	5.00		102	70-130			
4.89	0.0250	5.00		97.9	70-130			
5.11	0.0250	5.00		102	70-130			
5.05	0.0250	5.00		101	70-130			
10.1	0.0500	10.0		101	70-130			
15.2	0.0250	15.0		101	70-130			
7.16		8.00		89.5	70-130			
			Source:	E308161-	22	Prepared: 0	8/23/23 A	Analyzed: 08/23/23
5.54	0.0250	5.00	ND	111	54-133			
5.32	0.0250	5.00	ND	106	61-133			
5.54	0.0250	5.00	ND	111	61-130			
5.47	0.0250	5.00	ND	109	63-131			
11.0	0.0500	10.0	ND	110	63-131			
16.5	0.0250	15.0	ND	110	63-131			
7.18		8.00		89.8	70-130			
			Source:	E308161-	22	Prepared: 0	8/23/23 A	Analyzed: 08/23/23
5.22	0.0250	5.00	ND	104	54-133	5.96	20	
5.01	0.0250	5.00	ND	100	61-133	6.03	20	
5.22	0.0250	5.00	ND	104	61-130	5.95	20	
5.13	0.0250	5.00	ND	103	63-131	6.36	20	
10.4	0.0500	10.0	ND	104	63-131	5.96	20	
15.5		15.0	ND	103	63-131	6.09	20	
	ND ND ND ND ND ND 6.90 5.10 4.89 5.11 5.05 10.1 15.2 7.16 5.54 5.32 5.54 5.32 5.54 5.32 5.54 5.32 5.54 5.47 11.0 16.5 7.18 5.22 5.01 5.22 5.01 5.22 5.13	Result mg/kg Reporting Limit mg/kg ND 0.0250 S.10 0.0250 6.90	Project Number: 23 Project Manager: 24 Astronaution Volatile Organics I Result Reporting Limit Spike Level mg/kg mg/kg mg/kg ND 0.0250 ND S.10 0.0250 S.00 S.11 0.0250 5.00 S.05 0.0250 5.00 S.11 0.0250 5.00 S.12 0.0250 5.00 S.13 0.0250 5.00 S.14 0.0250 5.00 S.54 0.0250 5.00 S.54 0.0250 5.00 S.47 0.0250 5.00 S.47 0.0250 5.00 S.47 0.0250 5.00 S.54 0.025	Project Number: 23052-0001 Project Manager: Ashley Giovena Volatile Organics by EPA 802 Result Spike Source Result mg/kg mg/kg mg/kg ND 0.0250 mg/kg Silo <	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Spike Source Result Imit Level Result Rec mg/kg mg/kg mg/kg % % ND 0.0250 mg/kg % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 5.00 102 6.90 8.00 86.2 5.10 0.0250 5.00 102 5.55 0.0250 5.00 101 10.1 0.0250 5.00 101 10.1 0.0250 5.00 101 5.54 0.0250 5.00 ND 106 5.54 0.0250 5.00 ND 101 5.32 0.0250 5.00 ND 101 5.4 0.0250 5.00 ND 1	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source mg/kg Rec % Rec Limits % ND 0.0250 mg/kg mg/kg % % ND 0.0250 season season % ND 0.0250 season season % S.10 0.0250 season season 70-130 MD 0.0250 season season 70-130 S.10 0.0250 soon 97.9 70-130 S.10 0.0250 soon 101 70-130 S.11 0.0250 soon 101 70-130 S.13 0.0250 soon 101 70-130 S.10 0.0250 soon 101 70-130 S.11 0.0250 soon 101 70-130 S.12 0.0250 soon 89.5 70-130 <	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source mg/kg Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mg/kg mg/kg % % % % ND 0.0250 ND 0.0250 ND 0.0250 ND %	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result mg/kg Reporting mg/kg Spike mg/kg Source Result mg/kg Rec % Rein % RPD % RPD Limit % RPD % RPD % ND 0.0250 mg/kg % % % % % ND 0.0250 ND 0.0250 0.0250 86.2 70-130

QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001	2 Booster	Station			Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	;o				8/29/2023 8:39:41AM
	No	nhalogenated O	rganic	s by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2334043-BLK1)							Prepared: 0	8/23/23 A	Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.96		8.00		87.0	70-130			
LCS (2334043-BS2)							Prepared: 0	8/23/23 A	Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130			
Matrix Spike (2334043-MS2)				Source:	E308161-	22	Prepared: 0	8/23/23 A	Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			
Matrix Spike Dup (2334043-MSD2)				Source:	E308161-	22	Prepared: 0	8/23/23 A	Analyzed: 08/23/23
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.3	70-130	2.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130			

QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23052-0001 Ashley Gioveng		Station			Reported: 8/29/2023 8:39:41AM
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2334064-BLK1)							Prepared: 0	8/24/23 A	analyzed: 08/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.5	50-200			
LCS (2334064-BS1)							Prepared: 0	8/24/23 A	analyzed: 08/24/23
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	44.6		50.0		89.2	50-200			
Matrix Spike (2334064-MS1)				Source:	E308164-	02	Prepared: 0	8/24/23 A	analyzed: 08/24/23
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	38-132			
Surrogate: n-Nonane	38.6		50.0		77.2	50-200			
Matrix Spike Dup (2334064-MSD1)				Source:	E308164-	02	Prepared: 0	8/24/23 A	analyzed: 08/24/23
Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132	0.174	20	
Surrogate: n-Nonane	40.5		50.0		81.0	50-200			



QC Summary Data

		• • •	-						
Matador Resources, LLC.		Project Name:		Rustler Breaks 2	2 Booster S	Station			Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23052-0001					-
Dallas TX, 75240		Project Manager	•	Ashley Gioveng	go				8/29/2023 8:39:41AM
		Anions	by EPA	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2334075-BLK1)							Prepared: 0	8/24/23 <i>A</i>	Analyzed: 08/28/23
Chloride	ND	20.0							
LCS (2334075-BS1)							Prepared: 0	8/24/23 A	Analyzed: 08/25/23
Chloride	245	20.0	250		97.9	90-110			
Matrix Spike (2334075-MS1)				Source:	E308163-0	01	Prepared: 0	8/24/23 A	Analyzed: 08/26/23
Chloride	1900	200	250	1650	102	80-120			
Matrix Spike Dup (2334075-MSD1)				Source:	E308163-0	01	Prepared: 0	8/24/23 A	Analyzed: 08/26/23
Chloride	2110	200	250	1650	185	80-120	10.4	20	M4

QC Summary Report Comment:

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



_		Demitions		
ſ	Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster Station	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/29/23 08:39
1				

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Page _____ of _

Client:	Matador Prod	duction C	Company.		Bill To	Bill To Attention: Matador Production Company			.ab U	se On	ly				TA	AT	EPA	Program
Project	: Rustler Brea	aks 2 Boo	ster Stati	on		tion Company	Lab W	11 %	.11	Job I	Num	ber	1D	2D	3D	Standar	d CWA	SDWA
Project	Manager: As	hley Giov	/engo		Address: on file		E3	118	04	230	252	-0001				х		
	s: 3122 Natio				City, State, Zip:					Analy	sis ar	d Metho	bd		-		-	RCRA
City, St	ate, Zip: Carls	sbad NM,	88220		Phone: (337)319-8398		Å								1	in the second	7	
Phone	575-988-005	5			Email: clinton.talley@matad	orresources.com	SRO										State	
Email:	agiovengo@e	ensolum.c	com				0/0	-			0.0		WN			NM	OUTA	ZTX
Report	due by:						D/DF	802	8260	5010	300				XT	×		
Time Sample	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO bv	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remark	s
8:34	8/21/2023	Soil	1 Jar		SS01 - 0'	1							x					
8:43	8/21/2023	Soil	1 Jar		SS02 - 0'	2							x					
9:57	8/21/2023	Soil	1 Jar		SS03 - 0'	3							x					
8:54	8/21/2023	Soil	1 Jar		SS04 - 0'	4							x					
8:56	8/21/2023	Soil	1 Jar		SS05 - 0'	5							x					
10:16	8/21/2023	Soil	1 Jar		SS06 - 0'	6							x					
11:30	8/21/2023	Soil	1 Jar		BH01 - 0'	7							x					
10:33	8/21/2023	Soil	1 Jar		BH01 - 2'	8							x					
11:25	8/21/2023	Soil	1 Jar		BH02 - 0'	9							x					
11:27	8/21/2023	Soil	1 Jar		BH02 - 1'	10							x					
Additi	onal Instructio	ons: Plea	ase CC: cl	burton@enso	lum.com, agiovengo@ensolum.com	m												
	impler), attest to th me of collection is a				I am aware that tampering with or intentionally egal action. Sampled by:	mislabelling the samp	e locatio	n,								ceived on ice the ess than 6 °C on	the second second second	1. Contract (1. Co
Alter Martines	shed by: (Signatu		Date	Time		2 Date 2 22-0	B] [™]	ne IDI	2	Rece	eived	on ice:	(a)	b Us	e On	ly		1. 1. 1.
mi		nyallo	Date		S45 Received by: (Signature)	Date	23	^{me} 17	30	<u>T1</u>			<u>T2</u>			<u>T3</u>		
Relinqui	shed by: (Signatu	n for	Date	23.23	400 active Ma	~ 8/23/2	3	me 8:19	5	AVG	Tem	p°C	4		•			
	1atrix: S - Soil, Sd - S					Containe				ooly/p	lastic	, ag - am		1.000			1	
					unless other arrangements are made. Haz pratory with this COC. The liability of the lab								lient exp	pense	e. The	e report for t	ne analysis of	the above

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Matador Resources, LLC. D	ate Received:	08/23/23	08:15	Work Order ID:	E308164
Phone:	(972) 371-5200 D	ate Logged In:	08/22/23	16:52	Logged In By:	Caitlin Mars
Email:		ue Date:		17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	he sample ID match the COC?		Yes			
	he number of samples per sampling site location match	the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample T	<u>Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
	sample cooler received?		Yes			
8. If yes, y	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	, were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling	·	Yes			
13. If no v	visible ice, record the temperature. Actual sample ter	nperature: 4°	С			
	Container_	·				
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
17 11	trip blank (TB) included for VOC analyses?		NA			
17. Was a			¥7			
	on-VOC samples collected in the correct containers?		Yes			
18. Are no	appropriate volume/weight or number of sample containers?	collected?	Yes			
18. Are no	appropriate volume/weight or number of sample containers	s collected?				
18. Are no 19. Is the a Field Lab	appropriate volume/weight or number of sample containers					
 Are no Is the a Field Lat Were a Sa 	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID?					
18. Are no 19. Is the a Field Lab 20. Were Sa D	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? Date/Time Collected?		Yes Yes Yes			
18. Are no 19. Is the a Field Lat 20. Were Sa D C	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? vate/Time Collected? 'ollectors name?		Yes Yes			
18. Are no 19. Is the a Field Lat 20. Were Sa D C Sample P	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? Pate/Time Collected? collectors name? Preservation	ation:	Yes Yes Yes Yes			
18. Are no 19. Is the a Field Lat 20. Were Sample P 21. Does to	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? Date/Time Collected? Sollectors name? <u>Preservation</u> the COC or field labels indicate the samples were prese	ation:	Yes Yes Yes Yes No			
 18. Are no 19. Is the a Field Lat 20. Were a Sa D C Sample P 21. Does a 22. Are sa 	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? Date/Time Collected? Sollectors name? <u>Preservation</u> the COC or field labels indicate the samples were prese ample(s) correctly preserved?	ation: prved?	Yes Yes Yes No NA			
18. Are no 19. Is the a Field Lat 20. Were 5 Sample P 21. Does 1 22. Are sa 24. Is lab	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? ate/Time Collected? follectors name? Preservation the COC or field labels indicate the samples were prese ample(s) correctly preserved? filteration required and/or requested for dissolved meta	ation: prved?	Yes Yes Yes Yes No			
 18. Are no. 19. Is the a Field Lat 20. Were a Sample P 21. Does a 22. Are sa 24. Is lab Multipha 	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? Pate/Time Collected? collectors name? Preservation the COC or field labels indicate the samples were prese ample(s) correctly preserved? filteration required and/or requested for dissolved meta ase Sample Matrix	ation: erved? als?	Yes Yes Yes No NA No			
 18. Are no. 19. Is the a Field Lat 20. Were a Sa D C Sample P 21. Does a 22. Are sa 24. Is lab Multipha 26. Does a 	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese ample(s) correctly preserved? filteration required and/or requested for dissolved meta tase Sample Matrix the sample have more than one phase, i.e., multiphase?	ation: prved? als?	Yes Yes Yes No NA No			
 18. Are no. 19. Is the a Field Lah 20. Were a Sa D C Sample P 21. Does a 22. Are sa 24. Is lab Multipha 26. Does a 27. If yes, 	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? bate/Time Collected? 'ollectors name? Preservation the COC or field labels indicate the samples were prese ample(s) correctly preserved? filteration required and/or requested for dissolved meta ase Sample Matrix the sample have more than one phase, i.e., multiphase? , does the COC specify which phase(s) is to be analyze	ation: prved? als?	Yes Yes Yes No NA No			
18. Are no 19. Is the a Field Lat 20. Were a Sample P 21. Does a 22. Are sa 24. Is lab Multipha 26. Does a 27. If yes,	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? bate/Time Collected? 'ollectors name? Preservation the COC or field labels indicate the samples were prese ample(s) correctly preserved? filteration required and/or requested for dissolved meta the sample Matrix the sample have more than one phase, i.e., multiphase? , does the COC specify which phase(s) is to be analyze ract Laboratory.	ation: erved? ils? d?	Yes Yes Yes No NA No No			
18. Are no 19. Is the a Field Lat 20. Were Sa D C Sample P 21. Does 22. Are sa 24. Is lab Multipha 26. Does 27. If yes, Subcontr 28. Are sa	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform ample ID? bate/Time Collected? 'ollectors name? Preservation the COC or field labels indicate the samples were prese ample(s) correctly preserved? filteration required and/or requested for dissolved meta ase Sample Matrix the sample have more than one phase, i.e., multiphase? , does the COC specify which phase(s) is to be analyze	ation: erved? dls? d?	Yes Yes Yes No NA No	Subcontract Lab: NA		

e

Date

envirotech Inc.

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E309039

Job Number: 23052-0001

Received: 9/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/13/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E309039 Date Received: 9/7/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2023 8:15:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759

ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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r -		Sample Sum	mary		
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Bo	ooster	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		insporteu.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/13/23 14:45
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 2'	E309039-01A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.



	~	ampre 2				
Matador Resources, LLC.	Project Name	e: Rus	tler Breaks 2 Boos	ster		
5400 LBJ Freeway, Suite 1500	Project Numb	per: 230	52-0001			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			9/13/2023 2:45:20PM
		BH02 - 2'				
		E309039-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
p-Xylene	ND	0.0250	1	09/09/23	09/11/23	
o,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2337022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
Surrogate: n-Nonane		104 %	50-200	09/11/23	09/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2337012
Chloride	361	200	10	09/11/23	09/11/23	

Sample Data



QC Summary Data

			-	4 5 1	2 D				
Matador Resources, LLC.		Project Name:		ustler Breaks	2 Booster				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		8052-0001					
Dallas TX, 75240		Project Manager:	As	shley Gioveng	go				9/13/2023 2:45:20PM
		Volatile Or	rganics b	oy EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 A	nalyzed: 09/11/23
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	7.53		8.00		94.1	70-130			
LCS (2336095-BS1)							Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
p-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			
Matrix Spike (2336095-MS1)				Source:	E309039-0)1	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133			
Toluene	4.70	0.0250	5.00	ND	94.0	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2336095-MSD1)				Source:	E309039-0)1	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.49	0.0250	5.00	ND	89.8	54-133	3.55	20	
Ethylbenzene	4.48	0.0250	5.00	ND	89.5	61-133	3.94	20	
Toluene	4.51	0.0250	5.00	ND	90.3	61-130	4.06	20	
o-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	3.84	20	
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	63-131	4.03	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131	3.97	20	
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.1	70-130			



QC Summary Data

		QC 5	umm	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	2	Rustler Breaks 2 23052-0001					Reported:
Dallas TX, 75240		Project Manager		Ashley Gioveng	0				9/13/2023 2:45:20PM
	No	nhalogenated (Organics	s by EPA 801	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 A	nalyzed: 09/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS (2336095-BS2)							Prepared: 0	9/09/23 A	analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike (2336095-MS2)				Source:	E309039-	01	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
Matrix Spike Dup (2336095-MSD2)				Source:	E309039-	01	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			



QC Summary Data

		QC D	umm	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23052-0001 Ashley Gioveng					Reported: 9/13/2023 2:45:20PM
	Nonha	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337022-BLK1)							Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.2		50.0		104	50-200			
LCS (2337022-BS1)							Prepared: 0	9/11/23 A	analyzed: 09/11/23
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			
Matrix Spike (2337022-MS1)				Source:	E309034-	02	Prepared: 0	9/11/23 A	analyzed: 09/11/23
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike Dup (2337022-MSD1)				Source:	E309034-	02	Prepared: 0	9/11/23 A	analyzed: 09/11/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	1.15	20	
Surrogate: n-Nonane	54.0		50.0		108	50-200			



QC Summary Data

		C	-						
Matador Resources, LLC.		Project Name:		Rustler Breaks	2 Booster				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23052-0001					•
Dallas TX, 75240		Project Manager		Ashley Gioveng	go				9/13/2023 2:45:20PM
		Anions	by EPA	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337012-BLK1)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	ND	20.0							
LCS (2337012-BS1)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2337012-MS1)				Source:	E309039-	01	Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	587	200	250	361	90.2	80-120			
Matrix Spike Dup (2337012-MSD1)				Source:	E309039-	01	Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	636	200	250	361	110	80-120	8.12	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/13/23 14:45

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Page 65 of 351

Release

Page _____ of

Received by OCD: 12/11/2024 12:00:41 AM

	Matador Pro				Bill To			Lab Use Only								14	TAT			
Projec	: Rustler Brea	aks 2 Boo	ster		Attention: Matador Productio	n Company	Lab W	VO#			Job N			1D	2D	3D	Standard	CWA	SDWA	
Projec	Manager: As	hley Giov	/engo		Address: on file		E3	080	239	7	73	205	2.0001				X			
Addre	s: 3122 Natio	nal Parks	Hwy		City, State, Zip:								nd Metho	d	1		and a second		RCRA	
City, S	ate, Zip: Carls	sbad NM,	88220		Phone: (337)319-8398		A.	ha									and the			
Phone	575-988-005	5			Email: clinton.talley@matador	resources.con		2										State		
Email:	agiovengo@e	ensolum.d	com				0/0		-			0		S			NM C	11-2410.00	TX	
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(field s	ampler) attest to th	ne validity an	d authentici	ty of this sample 1 a	m aware that tampering with or intentionally mi	slabelling the same	le locatio	00	-	-	Sample	s requi	ring thermal p	reserva	ation m	ust be re	ceived on ice the d	av they are same	oled or	
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					atory with this COC. The liability of the labo															
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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

lient:	Matador Resources, LLC. Da	ate Received:	09/07/23	08:15		Work Order ID:	E309039
Phone:	(972) 371-5200 Da	ate Logged In:	09/06/23	14:57		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com D	ue Date:	09/13/23	17:00 (4 day TAT)			
<u>Chain o</u>	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was the	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>			Г			
6. Did th	ne 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 th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes				
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample ter	nnerature: 1º	C				
		nperature. <u>4</u>	<u>c</u>				
	<u>Container</u>		N				
	aqueous VOC samples present?		No NA				
	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	e appropriate volume/weight or number of sample containers?	o collected?	Yes				
		s confecteur	105				
Field La	ader e field sample labels filled out with the minimum inform	ation					
	Sample ID?	anon	Yes				
	Date/Time Collected?		Yes	L			
(Collectors name?		Yes				
	Preservation						
	s the COC or field labels indicate the samples were prese	erved?	No				
	sample(s) correctly preserved?		NA				
24. Is lal	b filteration required and/or requested for dissolved meta	als?	No				
	ase Sample Matrix						
26. Does	s the sample have more than one phase, i.e., multiphase?		No				
27. If ye	s, does the COC specify which phase(s) is to be analyzed	d?	NA				
<u>Subcont</u>	tract Laboratory_						
	samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab:	na		
	: . .						

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E309040

Job Number: 23052-0001

Received: 9/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/13/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E309040 Date Received: 9/7/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2023 8:15:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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QC - Anions by EPA 300.0/9056A	9
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Chain of Custody etc.	11

r r		Sample Sum	mary			
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Bo	ooster	Reported:	
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		Reported.	
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/13/23 14:54	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
BH02 - 3'	E309040-01A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.	



	~						
Matador Resources, LLC.	Project Name	e: Rus	tler Breaks 2 Boos	ster			
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	52-0001			Reported:	
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo			9/13/2023 2:54:06PM	
		BH02 - 3'					
		E309040-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095	
Benzene	ND	0.0250	1	09/09/23	09/11/23		
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23		
Toluene	ND	0.0250	1	09/09/23	09/11/23		
p-Xylene	ND	0.0250	1	09/09/23	09/11/23		
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23		
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23		
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	09/09/23	09/11/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	09/09/23	09/11/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2337003	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23		
Dil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23		
Surrogate: n-Nonane		119 %	50-200	09/11/23	09/11/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2337012	
Chloride	709	400	20	09/11/23	09/11/23		

Sample Data


QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 052-0001 shley Gioveng					Reported: 9/13/2023 2:54:06PM
		Volatile Or	ganics b	oy EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 A	analyzed: 09/11/23
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	7.53		8.00		94.1	70-130			
LCS (2336095-BS1)							Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Foluene	4.77	0.0250	5.00		95.4	70-130			
p-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			
Matrix Spike (2336095-MS1)				Source:	E309039-	01	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133			
Toluene	4.70	0.0250	5.00	ND	94.0	61-130			
p-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
o,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2336095-MSD1)				Source:	E309039-	01	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.49	0.0250	5.00	ND	89.8	54-133	3.55	20	
Ethylbenzene	4.48	0.0250	5.00	ND	89.5	61-133	3.94	20	
Toluene	4.51	0.0250	5.00	ND	90.3	61-130	4.06	20	
p-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	3.84	20	
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	63-131	4.03	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131	3.97	20	
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.1	70-130			



QC Summary Data

		$\mathbf{t} \in \mathbf{v}$, D	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001	Booster				Reported:
Dallas TX, 75240		Project Manager:	A	Ashley Gioveng	0				9/13/2023 2:54:06PM
	No	nhalogenated O	rganics	by EPA 801	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 A	analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS (2336095-BS2)							Prepared: 0	9/09/23 A	analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike (2336095-MS2)				Source:	E309039-	01	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
Matrix Spike Dup (2336095-MSD2)				Source:	E309039-	01	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1				

QC Summary Data

		QU N							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	-	Rustler Breaks 2 23052-0001	2 Booster				Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	jo				9/13/2023 2:54:06PM
	Nonha	alogenated Org	anics by	y EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337003-BLK1)							Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.3		50.0		127	50-200			
LCS (2337003-BS1)							Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			
Matrix Spike (2337003-MS1)				Source:	E309042-	02	Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike Dup (2337003-MSD1)				Source:	E309042-	02	Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132	0.651	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	:	Rustler Breaks 2 23052-0001 Ashley Gioveng					Reported: 9/13/2023 2:54:06PM
Dunus IX, 75240		, 0		300.0/9056	-				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337012-BLK1)							Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Chloride	ND	20.0							
LCS (2337012-BS1)							Prepared: 0	9/11/23 A	analyzed: 09/11/23
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2337012-MS1)				Source:	E309039-0)1	Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Chloride	587	200	250	361	90.2	80-120			
Matrix Spike Dup (2337012-MSD1)				Source:	E309039-0)1	Prepared: 0	9/11/23 A	analyzed: 09/11/23
Chloride	636	200	250	361	110	80-120	8.12	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/13/23 14:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Release

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	Matador Proc				- 2	Bill To	and the second s		<u>a indi</u>		ab U	se Or						AT		and the second sec	rogram
	Rustler Brea				10	Attention: Matador Productio	n Company	Lat	WO#	ŧ			Num		1D	2D	3D	Sta	ndard	CWA	SDW
	Manager: As				- 11	Address: on file		E.	309	04		23	050	2.0001					х		
	: 3122 Natio				-	City, State, Zip:					_	Anal	ysis a	nd Metho	d						RCRA
	te, Zip: Carls		88220		-0.3	Phone: (337)319-8398			h h												
Phone:	575-988-005	5			-	Email: clinton.talley@matador	resources.con		ORC										1	State	
Email: a	giovengo@e	nsolum.c	om		_				RO/	1	0		0.0		WN		-	1	VM CO	UT AZ	TX
Report o	lue by:								Id/c	802	826(5010	300				Ă		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:40	9/5/2023	Soil	1 Jar			BH02 - 3'	1								x						
													-		1						
									-								-	1			
																			-		-
								-			-	-				-					
Addition	nal Instructio	ns: Plea	ase CC: cl	burton@enso	olum.c	om, agiovengo@ensolum.com		I													
(field san	npler), attest to th	e validity an	d authentici	ty of this sample.	l am aw	are that tampering with or intentionally mis	labelling the samp	le loc	ation,		-	Sample	es requ	iring thermal p	reserva	ation m	ust be re	eceived on	ice the day	they are samp	ed or
				ay be grounds for I	legal act	ion. Sampled by:						receive	ed pack	ed in ice at an	avg ter	np abov	ve 0 but	less than	5 °C on subse	quent days.	
elinguis	ed by: (Signatu	re)	Date	-6-23 Tim	e :07	Received by: (Signature)	Date 9-6-2	13	Time	107	-	Rece	eivec	l on ice:		ab U	se On	ly			
telinguist	ned by: (Signatu	re)	Date	Tim	530	Received by: (Signature)	So g. h.	7:	Time	100	2	T1			T2			T	3		
	ned by: (Signatu		5 Pate	.7.73 F	e In	Regived by: (Signature)	Date 0/2/2	2	Time	15			Ton	np °c 4	1			<u>+</u>			
malant	trix: S - Soil, Sd - S	colid So Sh	Idge A Age	in Other	10	- Lun man		Tun	10 -1	V		Carolina provi	and a first first start	interested and interested in the	or al	200	. 1/0	٨			
ACCURATE AND A REAL PROPERTY OF A R	The CARD of the Second Second		01		unloss	 other arrangements are made. Hazard 								c, ag - amb					fanth	and set of a	ha at
						with this COC. The liability of the labor									ient e	xpens	e. Ih	e repor	for the a	nalysis of t	ne above
pics i.	applicable only	10 11000 5	anipica i ce	ened by the lab	o. acory	the labor the labor the labor	acory is infineed t	o the	unioui	it pair		on the	repu						rc		

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	09/07/23	08:15	Work Order ID:	E309040
Phone:	(972) 371-5200 Da	te Logged In:	09/06/23	15:00	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com Du	e Date:	09/13/23	17:00 (4 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier	r	
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes		-	
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Comment	ts/Resolution
<u>Sample '</u>	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec		Yes			
	minutes of sampling					
13. If no	visible ice, record the temperature. Actual sample ten	perature: <u>4°</u>	<u>C</u>			
Sample (<u>Container</u>					
	aqueous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	e field sample labels filled out with the minimum information of the same set	ation:	V			
	Sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation_		105			
-	the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved meta	ls?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed	1?	NA			
	ract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		

e

Date

envirotech Inc.

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

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E309041

Job Number: 23052-0001

Received: 9/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/13/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E309041 Date Received: 9/7/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2023 8:15:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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		Sample Sum	mary	
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Booster	Banartadı
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo	09/13/23 14:53
Client Semple ID	I ab Sampla ID	Matrix	Sampled Deceived	Containar

Client Sample ID	Lab Sample ID Ma	trix Sampled	Received	Container
BG01 - 3'	E309041-01A Se	oil 09/05/23	09/07/23	Glass Jar, 2 oz.
BG01 - 4'	E309041-02A Se	oil 09/05/23	09/07/23	Glass Jar, 2 oz.



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		ampic D				
Matador Resources, LLC.	Project Name:		tler Breaks 2 Boos	ster		
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2303	52-0001			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			9/13/2023 2:53:46PM
		BG01 - 3'				
		E309041-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		123 %	50-200	09/11/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2337012
Chloride	597	400	20	09/11/23	09/11/23	

Sample Data



Sample Data

	6	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2305	tler Breaks 2 Boos 52-0001 ley Giovengo	ter		Reported: 9/13/2023 2:53:46PM
	5	BG01 - 4'	, ,			
		E309041-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
thylbenzene	ND	0.0250	1	09/09/23	09/11/23	
oluene	ND	0.0250	1	09/09/23	09/11/23	
-Xylene	ND	0.0250	1	09/09/23	09/11/23	
,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
otal Xylenes	ND	0.0250	1	09/09/23	09/11/23	
urrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2336095
asoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	09/09/23	09/11/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	55.3	25.0	1	09/11/23	09/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
urrogate: n-Nonane		123 %	50-200	09/11/23	09/11/23	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: BA		Batch: 2337012
Chloride	ND	400	20	09/11/23	09/11/23	



QC Summary Data

		QC D		v					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 2 052-0001 shley Gioveng					Reported: 9/13/2023 2:53:46PM
		Volatile O	rganics t	oy EPA 802	21B				Analyst: RKS
Analyte		Reporting	Spike	Source		Rec		RPD	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 A	nalyzed: 09/11/23
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	7.53	010220	8.00		94.1	70-130			
LCS (2336095-BS1)							Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			
Matrix Spike (2336095-MS1)				Source:	E309039-0	1	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133			
Toluene	4.70	0.0250	5.00	ND	94.0	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2336095-MSD1)				Source:	E309039-0	1	Prepared: 0	9/09/23 A	analyzed: 09/11/23
Benzene	4.49	0.0250	5.00	ND	89.8	54-133	3.55	20	
	4.49 4.48	0.0250 0.0250	5.00 5.00	ND ND	89.8 89.5	54-133 61-133	3.55 3.94	20 20	
Ethylbenzene									
Ethylbenzene Toluene	4.48	0.0250	5.00	ND	89.5	61-133	3.94	20	
Ethylbenzene Toluene o-Xylene	4.48 4.51	0.0250 0.0250	5.00 5.00	ND ND	89.5 90.3	61-133 61-130	3.94 4.06	20 20	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	4.48 4.51 4.50	0.0250 0.0250 0.0250	5.00 5.00 5.00	ND ND ND	89.5 90.3 90.0	61-133 61-130 63-131	3.94 4.06 3.84	20 20 20	



QC Summary Data

		$\mathbf{x} \mathbf{v} \mathbf{v}$		ary Date	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	-	Rustler Breaks 2 23052-0001	Booster				Reported:
Dallas TX, 75240		Project Manager:	1	Ashley Gioveng	0				9/13/2023 2:53:46PM
	Noi	nhalogenated O	Organics	s by EPA 801	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS (2336095-BS2)							Prepared: 0	9/09/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike (2336095-MS2)				Source:]	E309039-	01	Prepared: 0	9/09/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
Matrix Spike Dup (2336095-MSD2)				Source: 1	E309039-	01	Prepared: 0	9/09/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			

QC Summary Data

					•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001					Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				9/13/2023 2:53:46PM
	Nonh	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337003-BLK1)							Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.3		50.0		127	50-200			
LCS (2337003-BS1)							Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			
Matrix Spike (2337003-MS1)				Source:	E309042-	02	Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike Dup (2337003-MSD1)				Source:	E309042-	02	Prepared: 0	9/11/23 A	nalyzed: 09/11/23
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132	0.651	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

					-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001	2 Booster				Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	j0				9/13/2023 2:53:46PM
		Anions	by EPA	300.0/9056A	۱.				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337012-BLK1)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	ND	20.0							
LCS (2337012-BS1)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2337012-MS1)				Source:	E309039-()1	Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	587	200	250	361	90.2	80-120			
Matrix Spike Dup (2337012-MSD1)				Source:	E309039-()1	Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Chloride	636	200	250	361	110	80-120	8.12	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/13/23 14:53

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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lient:	Matador Pro	duction C	ompany.		X	Bill To		1.3	12.2	La	b Us	e On	ly				TAT		EPA P	rogram
	: Rustler Brea				Att	ention: Matador Product	tion Company	La	ab WO	ŧ		Job	Vumbe	er	1D	2D 3		Standard	CWA	SDWA
Project	Manager: As	shley Giov	rengo			dress: on file		E 309041 230			52.0	1000				x				
Addres	s: 3122 Natio	nal Parks	Hwy		the second se	y, State, Zip:					A	Analy	sis and	Metho	d					RCRA
	ate, Zip: Carl		88220		Pho	one: (337)319-8398			by (4.9.5		
	575-988-005				Em	ail: clinton.talley@matad	orresources.	om	ORC										State	
	agiovengo@e	ensolum.c	om						SRO/	21	0	0	0.00		WN		¥	NM CO	UT AZ	TX
leport	due by:					1. N		NOAR STATUS	30/C	y 80	y 826	601	le 30				C 1	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID)		Lal Num	AL	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
12:12	9/5/2023	Soil	1 Jar			BG01 - 3'	1								x					
12:16	9/5/2023	Soil	1 Jar			BG01 - 4'	2	11							x	1.4				
									1											
								R.										-		
		-																		
																				-
			-																	
						a second and a second and a second and a second											1	1		
			5																	
Additio	onal Instruction	ns: Plea	ise CC: cl	urton@e	nsolum.com	, agiovengo@ensolum.co	m			10										
	mpler), attest to the me of collection is					hat tampering with or intentionally Sampled by:	mislabelling the s	ample lo	ocation,									ved on ice the day than 6 °C on subs		led or
Relinqui	shed by: (Signatu	ire)	Date 01 -	6-23	Time 7.07	Received by: (Signature)	e G-l	23	Time	707	1	Rece	eived o	n ice:		b Use // N	Only			
Mic		mal	Date G-	623	Time 1530		1250 Date 9.1	1.23	3 Time	600		<u>T1</u>			<u>T2</u>			<u>T3</u>		
Relinquis	shed by: (Signatu	my	So 9.	7.23	Time	Received by: (Signature)	In 9/	1/2=	3 8.	15	-	AVG	Temp	°c_	4		Louise			
Sample N	latrix: S - Soil, Sd -	Solid, Sg - Slu	dge, A - Aqu	ieous, O - Oth	er		Conta	iner Ty	ype:g-	glass,	p - p	oly/p	lastic,	ag - am	ber gla	ISS, V -	VOA			

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	ate Received:	09/07/23	08:15		Work Order ID:	E309041
Phone:	(972) 371-5200 Da	ate Logged In:	09/06/23	15:03		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com De	ue Date:	09/13/23	17:00 (4 day TAT)			
Chain of	f Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
	he number of samples per sampling site location match	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commen	ts/Resolution
Sample 7	<u> Turn Around Time (TAT)</u>			Г			
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<u>Cooler</u>						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling	·	Yes				
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>C</u>				
Sample	Container	· _					
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers	collected?	Yes				
Field La	bel						
20. Were	field sample labels filled out with the minimum inform	ation:					
S	Sample ID?		Yes				
	Date/Time Collected?		Yes	L			
-	Collectors name?		Yes				
-	Preservation		• •				
	the COC or field labels indicate the samples were prese	rvea?	No				
	sample(s) correctly preserved?	1.9	NA N-				
	b filteration required and/or requested for dissolved meta	115 /	No				
	ase Sample Matrix						
<u>Multiph</u>			No				
<u>Multiph</u> 26. Does	the sample have more than one phase, i.e., multiphase?						
<u>Multiph</u> 26. Does	the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed		NA				
Multiph 26. Does 27. If yes							
Multiph 26. Does 27. If yes Subcont	s, does the COC specify which phase(s) is to be analyzed	d?					

C

Date

envirotech Inc.

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E309042

Job Number: 23052-0001

Received: 9/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/13/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E309042 Date Received: 9/7/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2023 8:15:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com





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Sample Summary

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		Sample Sum	mai y		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Rustler Breaks 2 Bo 23052-0001	ooster	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/13/23 14:52
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 - 4'	E309042-01A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
BH02 - 6'	E309042-02A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
BH02 - 8'	E309042-03A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
BH02 - 10'	E309042-04A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.



	~	ampre 2				
Matador Resources, LLC.	Project Name	e: Rus	tler Breaks 2 Boos	ster		
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 230	52-0001			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			9/13/2023 2:52:37PM
		BH02 - 4'				
		E309042-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
p-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		116 %	50-200	09/11/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2337012
Chloride	987	400	20	09/11/23	09/11/23	

Sample Data



Sample Data

	50	ample D	ala			
Matador Resources, LLC.	Project Name:	Rus	tler Breaks 2 Boos	ster		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 230	52-0001			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			9/13/2023 2:52:37PM
		BH02 - 6'				
		E309042-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
p-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		98.8 %	50-200	09/11/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2337012
Chloride	909	400	20	09/11/23	09/11/23	



Sample Data

	5	ample D	ala			
Matador Resources, LLC.	Project Name	: Rus	tler Breaks 2 Boos	ter		
5400 LBJ Freeway, Suite 1500	Project Numb	per: 230	52-0001			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			9/13/2023 2:52:37PM
		BH02 - 8'				
		E309042-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		99.4 %	50-200	09/11/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2337012
Chloride	912	400	20	09/11/23	09/12/23	



Sample Data

	56	imple D	ala			
Matador Resources, LLC.	Project Name:	Rus	tler Breaks 2 Boos	ter		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 230	52-0001			Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giovengo			9/13/2023 2:52:37PM
]	BH02 - 10'				
	-	E309042-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
p-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/11/23	
Surrogate: n-Nonane		101 %	50-200	09/11/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2337012
Chloride	751	400	20	09/11/23	09/12/23	



QC Summary Data

		QC D		ing Duc					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 2 8052-0001 shley Giovens					Reported: 9/13/2023 2:52:37PM
		Volatile O	rganics b	oy EPA 802	21B				Analyst: RKS
Analyte		Reporting	Spike	Source		Rec		RPD	
Anaryte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 A	nalyzed: 09/11/23
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	7.53	010220	8.00		94.1	70-130			
LCS (2336095-BS1)							Prepared: 0	9/09/23 A	nalyzed: 09/11/23
Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			
Matrix Spike (2336095-MS1)				Source:	E309039-0)1	Prepared: 0	9/09/23 A	nalyzed: 09/11/23
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133			
Toluene	4.70	0.0250	5.00	ND	94.0	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2336095-MSD1)				Source:	E309039-0)1	Prepared: 0	9/09/23 A	nalyzed: 09/11/23
		0.0050	5.00	ND	89.8	54-133	3.55	20	
Benzene	4.49	0.0250							
	4.49 4.48	0.0250	5.00	ND	89.5	61-133	3.94	20	
Ethylbenzene						61-133 61-130	3.94 4.06	20 20	
Ethylbenzene Toluene	4.48	0.0250	5.00	ND	89.5				
Ethylbenzene Toluene o-Xylene	4.48 4.51	0.0250 0.0250	5.00 5.00	ND ND	89.5 90.3	61-130	4.06	20	
Benzene Ethylbenzene Toluene o-Xylene p.m-Xylene Total Xylenes	4.48 4.51 4.50	0.0250 0.0250 0.0250	5.00 5.00 5.00	ND ND ND	89.5 90.3 90.0	61-130 63-131	4.06 3.84	20 20	



QC Summary Data

				J =	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001	Booster				Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				9/13/2023 2:52:37PM
	No	nhalogenated C	Organic	s by EPA 801	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2336095-BLK1)							Prepared: 0	9/09/23 <i>I</i>	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS (2336095-BS2)							Prepared: 0	9/09/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike (2336095-MS2)				Source:	E309039-	01	Prepared: 0	9/09/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
Matrix Spike Dup (2336095-MSD2)				Source:	E309039-	01	Prepared: 0	9/09/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			

QC Summary Data

		$\mathbf{x} \in \mathbf{v}$	-		-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23052-0001 Ashley Gioveng					Reported: 9/13/2023 2:52:37PM
Duitus 177, 75240	Nonh	alogenated Org				/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	-
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337003-BLK1)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.3		50.0		127	50-200			
LCS (2337003-BS1)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			
Matrix Spike (2337003-MS1)				Source:	E309042-	02	Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike Dup (2337003-MSD1)				Source:	E309042-	02	Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132	0.651	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

eaks 2 Booster		
1 ovengo		Reported: 9/13/2023 2:52:371
)56A		Analyst: BA
rce Rec alt Rec Limits		RPD Limit
xg % %	%	% Notes
	Prepared: 09/11	1/23 Analyzed: 09/11/23
	Prepared: 09/11	1/23 Analyzed: 09/11/23
97.5 90-110		
irce: E309039-01	Prepared: 09/11	1/23 Analyzed: 09/11/23
1 90.2 80-120		
ırce: E309039-01	Prepared: 09/11	1/23 Analyzed: 09/11/23
1 110 80-120	8.12	20
	ce Rec lt Rec Limits kg % % 97.5 90-110 Ince: E309039-01 1 90.2 80-120 Ince: E309039-01	cce Rec Limits RPD kg % % % kg % % % Prepared: 09/11 97.5 90-110 urce: E309039-01 Prepared: 09/11 1 90.2 80-120 urce: E309039-01 Prepared: 09/11

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/13/23 14:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Release

Page _____ of __

Received by OCD: 12/11/2024 12:00:41 AM

Client:	Matador Pro	duction (Company.		Bill To		and the second	L	ab U	se Or	ly	a and a start			T	AT		EPA P	rogram
Project:	Rustler Brea	aks 2 Boo	ster		Attention: Matador Productio	n Company	Lab WO	#	College	Job	Num	ber	1D	2D	3D	Sta	andard	CWA	SDWA
Project	Manager: As	shley Giov	vengo		Address: on file		E30	704	12	22	05	2.000					х		
Address	: 3122 Natio	nal Parks	Hwy		City, State, Zip:	-						nd Metho							RCRA
City, Sta	te, Zip: Carls	sbad NM,	88220		Phone: (337)319-8398		þ												
Phone:	575-988-005	5			Email: clinton.talley@matador	resources.com	ORO											State	
Email: a	agiovengo@e	ensolum.o	com				RO/O	H	0		0.0		WN		×		NM CO	UT AZ	TX
Report of	due by:				fel -		a/o	802	826	6010	e 30				1X		×		-
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:41	9/5/2023	Soil	1 Jar		BH02 - 4'	1							x						
9:51	9/5/2023	Soil	1 Jar		BH02 - 6'	2							x		1				
11:07	9/5/2023	Soil	1 Jar		BH02 - 8'	3							x						
11:45	9/5/2023	Soil	1 Jar		BH02 - 10'	4							x						
				4															
					and the second	1													
Addition	al Instruction	ns: Plea	ise CC: cb	ourton@ensol	ım.com, agiovengo@ensolum.com														
late or time	e of collection is c	onsidered fr		ty of this sample. I a y be grounds for leg	m aware that tampering with or intentionally mi al action. <u>Sampled by:</u>	islabelling the samp	le location,										on ice the day an 6 °C on subs		iled or
Le	ed by: Signatur				07 Michela Curry	_ Date 9-6-		e)70	7	Rec	eivec	l on ice:		Lab L	lse Oi N	nly			
Mic	ed by: (Signatur	mp	-	623 IS		50 9.6.	23	160	20	<u>T1</u>			<u>T2</u>				<u>T3</u>		
Relinquish	ed by: (Signatur	mbbo	Date .	7.23 C	100 arth Mar	- 9/7/2	38	:15		AVO	6 Ten	np °C	4						
	rix: S - Soil, Sd - S					Containe													-
					less other arrangements are made. Hazar atory with this COC. The liability of the labo								lient	expen	se. Th	he rep	ort for the	analysis of	the above
										F	1		-		20		ir	-+	0

Page 14 of 15

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. D	ate Received:	09/07/23 0	8:15	Work Order ID:	E309042
Phone:	(972) 371-5200 D	ate Logged In:	09/06/23 1	5:07	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com D	ue Date:	09/13/23 1	7:00 (4 day TAT)		
Chain of	f Custody (COC)					
	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample '</u>	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	с			
	<u>Container</u>		-			
-	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La						
	field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		Yes			
	Preservation		NT.			
	s the COC or field labels indicate the samples were press 1_{2}	nveu?	No			
	sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	109	NA No			
		415 (No			
	ase Sample Matrix					
<u>Multiph</u>			No			
<u>Multiph</u> 26. Does	the sample have more than one phase, i.e., multiphase?	10				
Multiph 26. Does 27. If yes	s, does the COC specify which phase(s) is to be analyze	d?	NA			
Multiph 26. Does 27. If yes Subcont	s, does the COC specify which phase(s) is to be analyze ract Laboratory		NA			
Multiph 26. Does 27. If yes Subcont 28. Are s	s, does the COC specify which phase(s) is to be analyze		NA No NA			

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E311206

Job Number: 23052-0001

Received: 11/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/4/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Date Reported: 12/4/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E311206 Date Received: 11/28/2023 7:30:00AM

Ashley Giovengo,



Page 109 of 351

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/28/2023 7:30:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

		Sample Sum	mary		
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Be	ooster	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		Toportuar
Dallas TX, 75240		Project Manager:	Ashley Giovengo		12/04/23 15:17
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
5802-3'	E311206-01A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
'803-2'	E311206-02A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
\$05-3'	E311206-03A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
S07-2'	E311206-04A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
S14-2'	E311206-05A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
S15-2'	E311206-06A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
S16-2'	E311206-07A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
\$17-2.5'	E311206-08A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
\$18-2.5'	E311206-09A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
\$19-2'	E311206-10A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.
\$20-2'	E311206-11A	Soil	11/22/23	11/28/23	Glass Jar, 2 oz.



		ampie D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2305	ler Breaks 52-0001 ley Gioven		Reported:		
Dallas TX, 75240	Project Manag		12/4/2023 3:17:49PM				
		FS02-3'					
		E311206-01					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RAS		Batch: 2348037
Benzene	ND	0.0250		1	11/28/23	11/28/23	
Ethylbenzene	ND	0.0250		1	11/28/23	11/28/23	
Toluene	ND	0.0250		1	11/28/23	11/28/23	
p-Xylene	ND	0.0250		1	11/28/23	11/28/23	
p,m-Xylene	ND	0.0500		1	11/28/23	11/28/23	
Total Xylenes	ND	0.0250		1	11/28/23	11/28/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		11/28/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		11/28/23	11/28/23	
Surrogate: Toluene-d8		109 %	70-130		11/28/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RAS			Batch: 2348037	
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/28/23	11/28/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		11/28/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		11/28/23	11/28/23	
Surrogate: Toluene-d8		109 %	70-130		11/28/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	xg Analyst: KM			Batch: 2348102	
Diesel Range Organics (C10-C28)	ND	25.0		1	12/01/23	12/02/23	
Oil Range Organics (C28-C36)	ND	50.0		1	12/01/23	12/02/23	
Surrogate: n-Nonane		71.9 %	50-200		12/01/23	12/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	BA		Batch: 2348081
Chloride	425	200		10	11/30/23	12/04/23	

Sample Data



Sample Data

	D D	sample D	ala					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	D LBJ Freeway, Suite 1500 Project Number: 23052-0001							
		FS03-2'						
		E311206-02						
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: RAS		Batch: 2348037		
Benzene	ND	0.0250	1	11/28/23	11/28/23			
Ethylbenzene	ND	0.0250	1	11/28/23	11/28/23			
oluene	ND	0.0250	1	11/28/23	11/28/23			
o-Xylene	ND	0.0250	1	11/28/23	11/28/23			
o,m-Xylene	ND	0.0500	1	11/28/23	11/28/23			
Total Xylenes	ND	0.0250	1	11/28/23	11/28/23			
Surrogate: Bromofluorobenzene		99.2 %	70-130	11/28/23	11/28/23			
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	11/28/23	11/28/23			
urrogate: Toluene-d8		113 %	70-130	11/28/23	11/28/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/23	11/28/23			
Surrogate: Bromofluorobenzene		99.2 %	70-130	11/28/23	11/28/23			
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	11/28/23	11/28/23			
Surrogate: Toluene-d8		113 %	70-130	11/28/23	11/28/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2348102		
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23			
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23			
Surrogate: n-Nonane		77.8 %	50-200	12/01/23	12/02/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2348081		
Chloride	534	200	10	11/30/23	12/04/23			



Sample Data

	N N	sample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Rustler Breaks 2 BoosterProject Number:23052-0001Project Manager:Ashley Giovengo						
		FS05-3'					
		E311206-03					
Applyto	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Analyte	Kesuit	Limit			Analyzed	Inotes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2348037	
Benzene	ND	0.0250	1	11/28/23	11/28/23		
Ethylbenzene	ND	0.0250	1	11/28/23	11/28/23		
<i>`oluene</i>	ND	0.0250	1	11/28/23	11/28/23		
-Xylene	ND	0.0250	1	11/28/23	11/28/23		
o,m-Xylene	ND	0.0500	1	11/28/23	11/28/23		
Total Xylenes	ND	0.0250	1	11/28/23	11/28/23		
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/28/23	11/28/23		
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	11/28/23	11/28/23		
Surrogate: Toluene-d8		110 %	70-130	11/28/23	11/28/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/23	11/28/23		
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/28/23	11/28/23		
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	11/28/23	11/28/23		
urrogate: Toluene-d8		110 %	70-130	11/28/23	11/28/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2348102	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23		
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23		
Surrogate: n-Nonane		80.8 %	50-200	12/01/23	12/02/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2348081	
Chloride	423	200	10	11/30/23	12/04/23		



Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Reported: 12/4/2023 3:17:49PM						
		FS07-2'					
		E311206-04					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2348037
Benzene	ND	0.0250	1		11/28/23	11/28/23	
Ethylbenzene	ND	0.0250	1		11/28/23	11/28/23	
oluene	ND	0.0250	1		11/28/23	11/28/23	
-Xylene	ND	0.0250	1		11/28/23	11/28/23	
,m-Xylene	ND	0.0500	1		11/28/23	11/28/23	
Total Xylenes	ND	0.0250	1		11/28/23	11/28/23	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/28/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/28/23	11/28/23	
urrogate: Toluene-d8		111 %	70-130		11/28/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037	
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/28/23	11/28/23	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/28/23	11/28/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/28/23	11/28/23	
Surrogate: Toluene-d8		111 %	70-130		11/28/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2348102	
Diesel Range Organics (C10-C28)	ND	25.0	1		12/01/23	12/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1		12/01/23	12/02/23	
Surrogate: n-Nonane		86.3 %	50-200		12/01/23	12/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: B	A		Batch: 2348081
Chloride	381	200	10	0	11/30/23	12/04/23	



Sample Data

	5	ample D	ala					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	BJ Freeway, Suite 1500 Project Number: 23052-0001							
		FS14-2'						
		E311206-05						
		Reporting						
Analyte	Result	Limit	Dilı	ition	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2348037	
Benzene	ND	0.0250		1	11/28/23	11/28/23		
Ethylbenzene	ND	0.0250		1	11/28/23	11/28/23		
Toluene	ND	0.0250		1	11/28/23	11/28/23		
p-Xylene	ND	0.0250		1	11/28/23	11/28/23		
o,m-Xylene	ND	0.0500		1	11/28/23	11/28/23		
Total Xylenes	ND	0.0250		1	11/28/23	11/28/23		
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/28/23	11/28/23		
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		11/28/23	11/28/23		
Surrogate: Toluene-d8		107 %	70-130		11/28/23	11/28/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037		
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/28/23	11/28/23		
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/28/23	11/28/23		
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		11/28/23	11/28/23		
Surrogate: Toluene-d8		107 %	70-130		11/28/23	11/28/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KM			Batch: 2348102		
Diesel Range Organics (C10-C28)	ND	25.0		1	12/01/23	12/02/23		
Dil Range Organics (C28-C36)	ND	50.0		1	12/01/23	12/02/23		
Surrogate: n-Nonane		83.9 %	50-200		12/01/23	12/02/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2348081	
Chloride	450	200	1	0	11/30/23	12/04/23		



Sample Data

	D	ample D	ata					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	400 LBJ Freeway, Suite 1500 Project Number: 23052-0001							
		FS15-2'						
		E311206-06						
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2348037		
Benzene	ND	0.0250	1	11/28/23	11/29/23			
Ethylbenzene	ND	0.0250	1	11/28/23	11/29/23			
foluene	ND	0.0250	1	11/28/23	11/29/23			
o-Xylene	ND	0.0250	1	11/28/23	11/29/23			
p,m-Xylene	ND	0.0500	1	11/28/23	11/29/23			
Total Xylenes	ND	0.0250	1	11/28/23	11/29/23			
Surrogate: Bromofluorobenzene		99.8 %	70-130	11/28/23	11/29/23			
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/28/23	11/29/23			
Surrogate: Toluene-d8		112 %	70-130	11/28/23	11/29/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037		
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/23	11/29/23			
Surrogate: Bromofluorobenzene		99.8 %	70-130	11/28/23	11/29/23			
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/28/23	11/29/23			
Surrogate: Toluene-d8		112 %	70-130	11/28/23	11/29/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: KM			Batch: 2348102		
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23			
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23			
Surrogate: n-Nonane		80.8 %	50-200	12/01/23	12/02/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2348081		
Chloride	450	200	10	11/30/23	12/04/23			



Sample Data

	G	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Reported: 12/4/2023 3:17:49PM					
		FS16-2'				
		E311206-07				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2348037
Benzene	ND	0.0250	1	11/28/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/28/23	11/29/23	
Foluene	ND	0.0250	1	11/28/23	11/29/23	
-Xylene	ND	0.0250	1	11/28/23	11/29/23	
o,m-Xylene	ND	0.0500	1	11/28/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	11/28/23	11/29/23	
urrogate: Toluene-d8		111 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		99.9 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	11/28/23	11/29/23	
Surrogate: Toluene-d8		111 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2348102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		79.5 %	50-200	12/01/23	12/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA		Batch: 2348081
Chloride	537	200	10	11/30/23	12/04/23	



Sample Data

		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	tler Breaks 52-0001 ley Gioven		er		Reported: 12/4/2023 3:17:49PM
		FS17-2.5'					
		E311206-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RAS		Batch: 2348037
Benzene	ND	0.0250		1	11/28/23	11/29/23	
Ethylbenzene	ND	0.0250		1	11/28/23	11/29/23	
Toluene	ND	0.0250		1	11/28/23	11/29/23	
p-Xylene	ND	0.0250		1	11/28/23	11/29/23	
o,m-Xylene	ND	0.0500		1	11/28/23	11/29/23	
Fotal Xylenes	ND	0.0250		1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/28/23	11/29/23	
Surrogate: Toluene-d8		111 %	70-130		11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037	
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		11/28/23	11/29/23	
Surrogate: Toluene-d8		111 %	70-130		11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2348102	
Diesel Range Organics (C10-C28)	ND	25.0		1	12/01/23	12/02/23	
Dil Range Organics (C28-C36)	ND	50.0		1	12/01/23	12/02/23	
Surrogate: n-Nonane		80.4 %	50-200		12/01/23	12/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	BA		Batch: 2348081
Chloride	500	200		10	11/30/23	12/04/23	



Sample Data

	D	ample D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	tler Breaks 2 52-0001 ley Giovengo			Reported: 12/4/2023 3:17:49PM
	•	FS18-2.5'				
		E311206-09				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2348037
Benzene	ND	0.0250	1	11/28/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/28/23	11/29/23	
Toluene	ND	0.0250	1	11/28/23	11/29/23	
p-Xylene	ND	0.0250	1	11/28/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/28/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		98.2 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/28/23	11/29/23	
Surrogate: Toluene-d8		110 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2348037
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		98.2 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/28/23	11/29/23	
Surrogate: Toluene-d8		110 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KM			Batch: 2348102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		79.7 %	50-200	12/01/23	12/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2348081
Chloride	273	200	10	11/30/23	12/04/23	



Sample Data

	D	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	Reported: 12/4/2023 3:17:49PM				
		FS19-2'				
		E311206-10				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: RAS		Batch: 2348037
Benzene	ND	0.0250	1	11/28/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/28/23	11/29/23	
oluene	ND	0.0250	1	11/28/23	11/29/23	
-Xylene	ND	0.0250	1	11/28/23	11/29/23	
,m-Xylene	ND	0.0500	1	11/28/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/28/23	11/29/23	
urrogate: Toluene-d8		111 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: RAS			Batch: 2348037
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/28/23	11/29/23	
Surrogate: Toluene-d8		111 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2348102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		83.1 %	50-200	12/01/23	12/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: BA		Batch: 2348081
Chloride	330	200	10	11/30/23	12/04/23	



Sample Data

	K.	sample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ler Breaks 2 52-0001 ley Gioveng			Reported: 12/4/2023 3:17:49PM
		FS20-2'				
		E311206-11				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RAS		Batch: 2348037
Benzene	ND	0.0250	1	11/28/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/28/23	11/29/23	
foluene	ND	0.0250	1	11/28/23	11/29/23	
-Xylene	ND	0.0250	1	11/28/23	11/29/23	
,m-Xylene	ND	0.0500	1	11/28/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/28/23	11/29/23	
urrogate: Bromofluorobenzene		100 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	11/28/23	11/29/23	
Surrogate: Toluene-d8		112 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RAS		Batch: 2348037
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/23	11/29/23	
Surrogate: Bromofluorobenzene		100 %	70-130	11/28/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	11/28/23	11/29/23	
Surrogate: Toluene-d8		112 %	70-130	11/28/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KM		Batch: 2348102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/02/23	
Surrogate: n-Nonane		81.3 %	50-200	12/01/23	12/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: BA		Batch: 2348081
Chloride	255	200	10) 11/30/23	12/04/23	



QC Summary Data

		QU SI								
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 2 8052-0001 shley Gioveng					Reported: 12/4/2023 3:17:49PM	
		Volatile Organic	Compo	unds by El	PA 8260B		Analyst: RAS			
			Spike	Source				RPD		
Analyte	Result	Reporting Limit	Level	Result	Rec	Rec Limits	RPD	Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2348037-BLK1)							Prepared: 1	1/28/23 An	alyzed: 11/28/23	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130				
Surrogate: Toluene-d8	0.563		0.500		113	70-130				
LCS (2348037-BS1)							Prepared: 1	1/28/23 An	alyzed: 11/28/23	
Benzene	2.79	0.0250	2.50		112	70-130				
Ethylbenzene	2.73	0.0250	2.50		109	70-130				
Toluene	2.82	0.0250	2.50		113	70-130				
o-Xylene	2.63	0.0250	2.50		105	70-130				
p,m-Xylene	5.30	0.0500	5.00		106	70-130				
Total Xylenes	7.93	0.0250	7.50		106	70-130				
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130				
Surrogate: Toluene-d8	0.545		0.500		109	70-130				
Matrix Spike (2348037-MS1)				Source:	E311205-0	6	Prepared: 1	1/28/23 An	alyzed: 11/28/23	
Benzene	2.74	0.0250	2.50	ND	110	48-131				
Ethylbenzene	2.71	0.0250	2.50	ND	108	45-135				
Toluene	2.79	0.0250	2.50	ND	112	48-130				
o-Xylene	2.55	0.0250	2.50	ND	102	43-135				
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135				
Total Xylenes	7.73	0.0250	7.50	ND	103	43-135				
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130				
Surrogate: Toluene-d8	0.542		0.500		108	70-130				
				Source	E311205-0	6	Prepared: 1	1/28/23 An	alyzed: 11/28/23	
Matrix Spike Dup (2348037-MSD1)				Source.						
Matrix Spike Dup (2348037-MSD1) Benzene	2.77	0.0250	2.50	ND	111	48-131	0.998	23		
	2.77 2.75	0.0250 0.0250	2.50 2.50				0.998 1.65	23 27		
Benzene				ND	111	48-131				
Benzene Ethylbenzene	2.75	0.0250	2.50	ND ND	111 110	48-131 45-135	1.65	27		
Benzene Ethylbenzene Toluene	2.75 2.88 2.60 5.26	0.0250 0.0250	2.50 2.50	ND ND ND ND ND	111 110 115	48-131 45-135 48-130	1.65 3.23	27 24		
Benzene Ethylbenzene Toluene o-Xylene	2.75 2.88 2.60	0.0250 0.0250 0.0250	2.50 2.50 2.50	ND ND ND ND	111 110 115 104	48-131 45-135 48-130 43-135	1.65 3.23 1.91	27 24 27		
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.75 2.88 2.60 5.26	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00	ND ND ND ND ND	111 110 115 104 105	48-131 45-135 48-130 43-135 43-135	1.65 3.23 1.91 1.37	27 24 27 27		
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	2.75 2.88 2.60 5.26 7.85	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00 7.50	ND ND ND ND ND	111 110 115 104 105 105	48-131 45-135 48-130 43-135 43-135 43-135	1.65 3.23 1.91 1.37	27 24 27 27		



QC Summary Data

		X U N		lary Data								
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23052-0001 Ashley Giovengo					Reported: 12/4/2023 3:17:49PM			
	No	onhalogenated O	rganic	s by EPA 801	5D - GF	RO			Analyst: RAS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2348037-BLK1)							Prepared: 1	1/28/23 A	Analyzed: 11/28/23			
Gasoline Range Organics (C6-C10)	ND	20.0										
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130						
Surrogate: Toluene-d8	0.563		0.500		113	70-130						
LCS (2348037-BS2)							Prepared: 1	1/28/23 A	Analyzed: 11/28/23			
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0		116	70-130						
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		<i>99.7</i>	70-130						
Surrogate: Toluene-d8	0.559		0.500		112	70-130						
Matrix Spike (2348037-MS2)				Source: I	E 311205- 0	6	Prepared: 1	1/28/23 A	Analyzed: 11/28/23			
Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130						
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130						
Surrogate: Toluene-d8	0.561		0.500		112	70-130						
Matrix Spike Dup (2348037-MSD2)				Source: I	E 311205- 0	6	Prepared: 1	1/28/23 A	Analyzed: 11/28/23			
Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130	3.44	20				
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130						
Surrogate: Toluene-d8	0.553		0.500		111	70-130						



QC Summary Data

		$\chi \circ \sim$			-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001					Reported: 12/4/2023 3:17:49PM
Dallas TX, 75240		Project Manager:		Ashley Gioveng	ço				12/4/2025 5:17:49PM
	Nonh	alogenated Org	anics b	y EPA 8015E) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348102-BLK1)							Prepared:	12/01/23	Analyzed: 12/02/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.8		50.0		83.6	50-200			
LCS (2348102-BS1)							Prepared:	12/01/23	Analyzed: 12/02/23
Diesel Range Organics (C10-C28)	231	25.0	250		92.6	38-132			
Surrogate: n-Nonane	41.8		50.0		83.5	50-200			
Matrix Spike (2348102-MS1)				Source:	E311206-	04	Prepared:	12/01/23	Analyzed: 12/02/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.2	38-132			
Surrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike Dup (2348102-MSD1)				Source:	E311206-	04	Prepared:	12/01/23	Analyzed: 12/02/23
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	4.76	20	
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			



QC Summary Data

		<u> </u>		•					
Matador Resources, LLC.		Project Name:		Rustler Breaks 2	2 Booster				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23052-0001					•
Dallas TX, 75240		Project Manager:		Ashley Gioveng	<u>j</u> 0				12/4/2023 3:17:49PM
		Anions	by EPA	300.0/9056A	۱.				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348081-BLK1)							Prepared: 1	1/30/23	Analyzed: 12/04/23
Chloride	ND	20.0							
LCS (2348081-BS1)							Prepared: 1	1/30/23	Analyzed: 12/04/23
Chloride	247	20.0	250		99.0	90-110			
Matrix Spike (2348081-MS1)				Source:	E311134-0	5	Prepared: 1	1/30/23	Analyzed: 12/04/23
Chloride	1370	40.0	250	1080	115	80-120			
Matrix Spike Dup (2348081-MSD1)				Source:	E311134-0	5	Prepared: 1	1/30/23	Analyzed: 12/04/23
Chloride	1300	40.0	250	1080	90.8	80-120	4.59	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/04/23 15:17

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

Reproject Information

Page	of
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Received by OCD: 12/11/2024 12:00:41 AM

Client: N	Aatador Produ	uction Co	mpany.			3	Bill To				La	b U	se On	nly				T	AT		EPA Pr	ogram
	Rustler Break						tion: Matador Production	Company	Lab	WO#	-		dol	Nun	nber	1D	2D	3D	Sta	andard	CWA	SDWA
	Aanager: Ash						ess: on file	_	E	311	201				2-000					х		
	3122 Nation		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-			State, Zip:		_	-	_	_	Analy	isis a	nd Metho	d	-	-	-		1	RCRA
	e, Zip: Carlsb		38220				e: (337)319-8398		-	Ad C												
	575-988-0055		Charles and the second			Email	: clinton.talley@matadorre	esources.com	щ	/OR(und col	State	
	giovengo@en	solum.co	m							DRO	021	60	10	0.00		NN		¥		NM CO	UT AZ	TX
Report d	ue by:			T		_		Lab	-	RO/	by 8(y 82	s 60	de 3		N				×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	D		-	Number	r	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	-	GDOC			Remarks	
9:13	11/22/2023	Soil	1 Jar			f	'S02 - 3'	1								x						
9:15	11/22/2023	Soil	1 Jar			F	503 - 2'	2								x						
9:20	11/22/2023	Soil	1 Jar			F	S05 - 3'	3								x						
9:29	11/22/2023	Soil	1 Jar			F	507 - 2'	4								x						
9:56	11/22/2023	Soil	1 Jar			F	S14 - 2'	5								x						
9:58	11/22/2023	Soil	1 Jar		FS15 - 2'		10								x							
10:07	11/22/2023	Soil	1 Jar			F	S16 - 2'	1								x						-
12:55	11/22/2023	Soil	1 Jar			FS	517 - 2.5'	8								x						
12:53	11/22/2023	Soil	1 Jar	-		FS	518 - 2.5'	9								x						_
10:14	11/22/2023	Soil	1 Jar			F	S19 - 2'	10								x						
Addition	al Instruction	s: Pleas	e CC: cb	urton@ei	nsolum	.com, ag	iovengo@ensolum.com, ch	amilton@e	nsolu	im.co	m, el	haft	@ens	solu	m.com					-		
	pler), attest to the of collection is cor						ampering with or intentionally mislab Sampled by:	elling the sampl	e locati	on,			1 C C C C C C C C C C C C C C C C C C C		uiring thermal p ked in ice at an							ed or
Relinquish	ed by: (Signature)	Date	27-23	Time ;	33	Mille Curl	Date 11-27	23	Time	23		Rece	eive	d on ice:		ab U	se Or N	nly	1		
Relinquish	ed by: (Signature	alis	- Date	17:23	Time	30 F	Andrew Hugho	Date	1.23	Time	700		T1			<u>T2</u>				<u>T3</u>		
Relinquish	ed by: (Signature) ho	Date	1.27.2	Time 12	45	eceived by: (Signature)	Date	123	Time 7:	30)	AVG	i Ter	mp°c_C	ł						
	rix: S - Soil, Sd - Sol					_	1								ic, ag - aml							
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							s COC. The liability of the laborato								rt.							
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							P	age 21 of	23				-			-						ec

Referoject Information

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	ideador i road	action cc	mpany.		Bill To Lab Use Only TAT								EPAR	EPA Program					
Project:	Rustler Break	s 2 Boost	ter		Attention: Matador Producti	on Company	Lab	WO#			Job I	Num	ber	1D	2D	3D	Standard	CWA	SDWA
Project N	Aanager: Ash	ley Giove	engo		Address: on file		E	3112	00		23	05	2-0001				х		1.5
Address:	3122 Nation	al Parks I	Hwy		City, State, Zip:								nd Metho						RCRA
City, Stat	e, Zip: Carlsb	ad NM, 8	38220		Phone: (337)319-8398	ne: (337)319-8398											A		
	575-988-0055				Email: clinton.talley@matado	rresources.com	ources com											State	1
	giovengo@en		om		enternancy enternancy enterna	110000100010011	1	0/0		1.2.1		0		MN			NM C	O UT AZ	TX
Report d								TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	010	Chloride 300.0				X			
Time			1	1		Lab		GRO	by §	by 8	Metals 6010	ide		BGDOC		U	×		1
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Number		TPH (8015	TEX	JOC.	Aeta	hloi		GD		GDOC		Remark	S
10:14	11/22/2023				FS20 - 2'	, individual of the second sec	-	- 00	ш	-	-	0			-				
10.14	11/22/2025	Soil	1 Jar	1.1	F320 - 2									X					
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		P.I.				1	-					-			-				
Addition	al instructions	s: Pleas	se CC: cbi	urton@ensolu	m.com, agiovengo@ensolum.com,	cnamilton@er	ISOIL	im.co	m, ei	nart(wens	solur	n.com						
10.11					1	tab altra altra and	Inces	100	-		Sample	reall	iring thermal n	recent	ation m	ust he re	ceived on ice the	lay they are cam	pled or
					m aware that tampering with or intentionally mi	stabelling the sample	locat	ion,			1.						less than 6 °C on s		pica or
				be grounds for lega		10-+-		Trees		-							1		
Relinquishe	ed by: (Signature)	Date	27-23 7	33 Micelly Carbon	- 11-27-	12	Time	12		-			7	ap U	se On I	цу		
all	WEV						du	-	es.		Rece	eivec	on ice:	0	DIN	1			
Relinquishe	ed by: (Signature	0	Date	Ja and H		Date		Time											
mon	ell In	Vr	11-	27-23 11	070 John Musso	11.2:	1.2	5 17	700		T1			<u>T2</u>			<u>T3</u>		
Relinquishe	ed by: (Signature))	Date		Received by: (Signature)	Date		Time					,	1					
Andre	"I M.	90	11	.27.23 12	245 Amontho	11/281	23	17:	30)	AVG	Ten	np°C_C	ŕ					
Sample Mat	rix: S - Soil, Sd - Sol	lid. Sg - Slud			efireme	Containe	r Typ	be: g - g	glass.	-			c, ag - amb	per gl	ass, v	- VO	4		
					less other arrangements are made. Hazard													analysis of t	he above
					atory with this COC. The liability of the labo														
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										1	-	5			E		rir		-

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

lient:	Matador Resources, LLC.	Date Received:	11/28/23 07	7:30	Work Order ID: E311206
Phone:	(972) 371-5200	Date Logged In:	11/27/23 14	4:53	Logged In By: Jordan Montano
Email:	agiovngo@ensolum.com	Due Date:	12/04/23 1	7:00 (4 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location mat	ch the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	ourier
4. Was t	he COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		<u>Comments/Resolution</u>
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes		Sampled by not provided on COC per
Sample	Cooler				client.
7. Was a	a sample cooler received?		Yes		
8. If yes	s, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Wer	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes		
13. If no	o visible ice, record the temperature. Actual sample	temperature: 4°	С		
	Container	· _	_		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
16. Is th	he head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
18. Are	non-VOC samples collected in the correct containers	?	Yes		
19. Is the	e appropriate volume/weight or number of sample contain	ners collected?	Yes		
Field La	abel				
20. Wer	e field sample labels filled out with the minimum info	rmation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes	•	
	Collectors name?		Yes		
	<u>Preservation</u> s the COC or field labels indicate the samples were pr	reserved?	No		
	sample(s) correctly preserved?	0.001 /04.	NA		
	b filteration required and/or requested for dissolved n	netals?	No		
	hase Sample Matrix		110		
	s the sample have more than one phase, i.e., multipha	se?	No		
20. DUC	es, does the COC specify which phase(s) is to be analy		NO		
27 If $v_{\rm f}$		200.	INA		
	Tract Laboratory				
Subcon	tract Laboratory samples required to get sent to a subcontract laborato	rv?	No		
Subcon 28. Are	samples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and it	-	No NA	Subcontract Lab	·NA

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E311219

Job Number: 23052-0001

Received: 11/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/5/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/5/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E311219 Date Received: 11/28/2023 8:30:00AM

Ashley Giovengo,



Page 132 of 351

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/28/2023 8:30:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

		Sample Sum	mar y		
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 B	ooster	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		Reporteu.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		12/05/23 16:16
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04-3'	E311219-01A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
'S06-3'	E311219-02A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
'S09-3'	E311219-03A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
S12-3'	E311219-04A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
'S13-3'	E311219-05A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
S21-2'	E311219-06A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
'S23-4'	E311219-07A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
S24-2'	E311219-08A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
S25-1'	E311219-09A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
S26-4'	E311219-10A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.
W03-0-3'	E311219-11A	Soil	11/27/23	11/28/23	Glass Jar, 2 oz.



		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Nam		tler Breaks		Reported:		
Dallas TX, 75240	Project Number:23052-0001Project Manager:Ashley Giovengo						12/5/2023 4:16:32PM
	-		-				
		FS04-3'					
		E311219-01					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2348053
Benzene	ND	0.0250		1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250		1	11/29/23	12/01/23	
Toluene	ND	0.0250		1	11/29/23	12/01/23	
p-Xylene	ND	0.0250		1	11/29/23	12/01/23	
o,m-Xylene	ND	0.0500		1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		11/29/23	12/01/23	
Surrogate: Toluene-d8		112 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		11/29/23	12/01/23	
Surrogate: Toluene-d8		112 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM				Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0		1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0		1	12/04/23	12/04/23	
Surrogate: n-Nonane		83.3 %	50-200		12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2349009
Chloride	250	200	1	0	12/04/23	12/04/23	

Sample Data



Sample Data

	R R	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Reported: 12/5/2023 4:16:32PM				
		FS06-3'				
		E311219-02				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2348053
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
o,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		100 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	11/29/23	12/01/23	
Jurrogate: Toluene-d8		113 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		100 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	11/29/23	12/01/23	
Surrogate: Toluene-d8		113 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: KM			Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/04/23	
Surrogate: n-Nonane		83.7 %	50-200	12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2349009
Chloride	216	200	10	12/04/23	12/04/23	



Sample Data

	K.	sample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ler Breaks 2 52-0001 ley Giovengo			Reported: 12/5/2023 4:16:32PM
		FS09-3'				
		E311219-03				
Analyta	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Analyte	Result	Limit		1	Analyzed	INOLES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		nalyst: RKS		Batch: 2348053
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
oluene	ND	0.0250	1	11/29/23	12/01/23	
-Xylene	ND	0.0250	1	11/29/23	12/01/23	
,m-Xylene	ND	0.0500	1	11/29/23 11/29/23	12/01/23 12/01/23	
Total Xylenes	ND	0.0250	1			
Surrogate: Bromofluorobenzene		101 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	11/29/23	12/01/23	
'urrogate: Toluene-d8		112 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	11/29/23	12/01/23	
Surrogate: Toluene-d8		112 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А		Batch: 2349001	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/04/23	
Gurrogate: n-Nonane		81.9 %	50-200	12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2349009
Chloride	ND	200	10	12/04/23	12/04/23	



Sample Data

		sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2303	ler Breaks 2 Boo 52-0001 ley Giovengo	oster		Reported: 12/5/2023 4:16:32PM
		FS12-3'				
		E311219-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2348053
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
o-Xylene	ND	0.0250	1	11/29/23	12/01/23	
o,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Fotal Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/29/23	12/01/23	
urrogate: Toluene-d8		114 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/29/23	12/01/23	
Surrogate: Toluene-d8		114 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy		Batch: 2349001	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/04/23	
urrogate: n-Nonane		80.1 %	50-200	12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2349009
Chloride	ND	200	10	12/04/23	12/04/23	



Sample Data

	2	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2303	ler Breaks 2 Boo 52-0001 ey Giovengo	oster		Reported: 12/5/2023 4:16:32PM
		FS13-3'				
		E311219-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2348053
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
p-Xylene	ND	0.0250	1	11/29/23	12/01/23	
o,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Fotal Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		99.3 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/29/23	12/01/23	
urrogate: Toluene-d8		115 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		99.3 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/29/23	12/01/23	
Surrogate: Toluene-d8		115 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/kg Analyst: KM			Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/04/23	
Surrogate: n-Nonane		77.8 %	50-200	12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2349009
Chloride	365	200	10	12/04/23	12/04/23	



Sample Data

	D	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 2303	ler Breaks 52-0001 ley Giover		ter		Reported: 12/5/2023 4:16:32PM
		FS21-2'					
		E311219-06					
Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2348053
Benzene	ND	0.0250		1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250		1	11/29/23	12/01/23	
Toluene	ND	0.0250		1	11/29/23	12/01/23	
-Xylene	ND	0.0250		1	11/29/23	12/01/23	
,m-Xylene	ND	0.0500		1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		99.6 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		11/29/23	12/01/23	
urrogate: Toluene-d8		113 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		99.6 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		11/29/23	12/01/23	
Surrogate: Toluene-d8		113 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM				Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0		1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0		1	12/04/23	12/04/23	
Surrogate: n-Nonane		86.9 %	50-200		12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2349009
Chloride	ND	200		10	12/04/23	12/04/23	



Sample Data

		sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Man	ber: 2303	ler Breaks 2 Bo 52-0001 ley Giovengo	oster		Reported: 12/5/2023 4:16:32PM
		FS23-4'				
		E311219-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348053
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
Toluene	ND	0.0250	1	11/29/23	12/01/23	
p-Xylene	ND	0.0250	1	11/29/23	12/01/23	
,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Fotal Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	11/29/23	12/01/23	
urrogate: Toluene-d8		112 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	11/29/23	12/01/23	
Surrogate: Toluene-d8		112 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/kg Analyst: KM			Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/04/23	
Surrogate: n-Nonane		80.9 %	50-200	12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349009
Chloride	2160	200	10	12/04/23	12/04/23	



Sample Data

	D	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 230	ler Breaks 52-0001 ley Giover		ter		Reported: 12/5/2023 4:16:32PM
		FS24-2'					
		E311219-08					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2348053
Benzene	ND	0.0250		1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250		1	11/29/23	12/01/23	
Toluene	ND	0.0250		1	11/29/23	12/01/23	
o-Xylene	ND	0.0250		1	11/29/23	12/01/23	
o,m-Xylene	ND	0.0500		1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		11/29/23	12/01/23	
Surrogate: Toluene-d8		114 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		11/29/23	12/01/23	
Surrogate: Toluene-d8		114 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2349001	
Diesel Range Organics (C10-C28)	ND	25.0		1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0		1	12/04/23	12/04/23	
Surrogate: n-Nonane		83.2 %	50-200		12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2349009
Chloride	231	200		10	12/04/23	12/04/23	



Sample Data

	0	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2303	ler Breaks 2 Bo 52-0001 ley Giovengo	oster		Reported: 12/5/2023 4:16:32PM
		FS25-1'				
		E311219-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348053
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
°oluene	ND	0.0250	1	11/29/23	12/01/23	
-Xylene	ND	0.0250	1	11/29/23	12/01/23	
,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	11/29/23	12/01/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/29/23	12/01/23	
urrogate: Toluene-d8		112 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	11/29/23	12/01/23	
'urrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/29/23	12/01/23	
Surrogate: Toluene-d8		112 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/04/23	
urrogate: n-Nonane		85.9 %	50-200	12/04/23	12/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349009
Chloride	345	200	10	12/04/23	12/04/23	



Sample Data

	ĸ	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ler Breaks 2 Bo 52-0001 ey Giovengo	ooster		Reported: 12/5/2023 4:16:32PM
		FS26-4'				
		E311219-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348053
Benzene	ND	0.0250	1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/29/23	12/01/23	
oluene	ND	0.0250	1	11/29/23	12/01/23	
-Xylene	ND	0.0250	1	11/29/23	12/01/23	
,m-Xylene	ND	0.0500	1	11/29/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/29/23	12/01/23	
urrogate: Bromofluorobenzene		99.3 %	70-130	11/29/23	12/01/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/29/23	12/01/23	
urrogate: Toluene-d8		116 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/23	12/01/23	
urrogate: Bromofluorobenzene		99.3 %	70-130	11/29/23	12/01/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/29/23	12/01/23	
urrogate: Toluene-d8		116 %	70-130	11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal		Batch: 2349001	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
urrogate: n-Nonane		84.4 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349009
Chloride	592	200	10	12/04/23	12/04/23	


Sample Data

	5	ample D	ara				
Matador Resources, LLC.	Project Name	: Rust	ler Breaks	2 Boos	ter		
5400 LBJ Freeway, Suite 1500	Project Numb			Reported:			
Dallas TX, 75240	Project Manag	ger: Ash	ey Gioven	go			12/5/2023 4:16:32PM
		SW03-0-3'					
		E311219-11					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2348053
Benzene	ND	0.0250		1	11/29/23	12/01/23	
Ethylbenzene	ND	0.0250		1	11/29/23	12/01/23	
Toluene	ND	0.0250		1	11/29/23	12/01/23	
o-Xylene	ND	0.0250		1	11/29/23	12/01/23	
o,m-Xylene	ND	0.0500		1	11/29/23	12/01/23	
Fotal Xylenes	ND	0.0250		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		11/29/23	12/01/23	
Surrogate: Toluene-d8		114 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2348053
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/29/23	12/01/23	
Surrogate: Bromofluorobenzene		101 %	70-130		11/29/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		11/29/23	12/01/23	
urrogate: Toluene-d8		114 %	70-130		11/29/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0		1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0		1	12/04/23	12/05/23	
Surrogate: n-Nonane		82.1 %	50-200		12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	BA		Batch: 2349009
Chloride	411	200	1	10	12/04/23	12/04/23	



QC Summary Data

		VC 51		iry Dat	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number: Project Manager:	23	ustler Breaks 8052-0001 shley Gioveng				12	Reported: 2/5/2023 4:16:32PM	
		Volatile Organic	Compo	unds by El	PA 8260I	3			Analyst: RKS
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
Blank (2348053-BLK1)							Prepared: 1	1/29/23 Ana	lyzed: 12/01/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
ě.			0.500		102	70-130			
Surrogate: Toluene-d8	0.570		0.500		114	/0-150			
LCS (2348053-BS1)							Prepared: 1	1/29/23 Ana	lyzed: 12/01/23
Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.63	0.0250	2.50		105	70-130			
Toluene	2.75	0.0250	2.50		110	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	5.12	0.0500	5.00		102	70-130			
Total Xylenes	7.63	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			
Matrix Spike (2348053-MS1)				Source:	E311219-()6	Prepared: 1	1/29/23 Ana	lyzed: 12/01/23
Benzene	2.48	0.0250	2.50	ND	99.0	48-131			
Ethylbenzene	2.58	0.0250	2.50	ND	103	45-135			
Toluene	2.69	0.0250	2.50	ND	105	48-130			
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135			
p,m-Xylene	4.89	0.0500	5.00	ND	97.7	43-135			
Total Xylenes	7.32	0.0250	7.50	ND	97.6	43-135			
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			
Matrix Spike Dup (2348053-MSD1)				Source:	E311219-()6	Prepared: 1	1/29/23 Ana	lyzed: 12/01/23
Benzene	2.60	0.0250	2.50	ND	104	48-131	4.87	23	•
Ethylbenzene	2.70	0.0250	2.50	ND	104	45-135	4.71	25	
Toluene	2.82	0.0250	2.50	ND	113	48-130	4.71	24	
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	7.71	27	
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135	8.18	27	
Total Xylenes	7.93	0.0250	7.50	ND	106	43-135	8.02	27	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
-									
Surrogate: Toluene-d8	0.558		0.500		112	70-130			



QC Summary Data

		QC BI	u	ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23052-0001 Ashley Giovengo					Reported: 12/5/2023 4:16:32PM
	N	onhalogenated O	rganic	s by EPA 801	5D - GR	0			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348053-BLK1)							Prepared: 1	1/29/23 A	Analyzed: 12/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.570		0.500		114	70-130			
LCS (2348053-BS2)							Prepared: 1	1/29/23 A	Analyzed: 12/01/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.572		0.500		114	70-130			
Matrix Spike (2348053-MS2)				Source: E	311219-06		Prepared: 1	1/29/23 A	Analyzed: 12/01/23
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.571		0.500		114	70-130			
Matrix Spike Dup (2348053-MSD2)				Source: E	311219-06		Prepared: 1	1/29/23 A	Analyzed: 12/01/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	2.29	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.585		0.500		117	70-130			

QC Summary Data

		$\mathbf{x} = \mathbf{x}$	••••••						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	-	Rustler Breaks 2 23052-0001	2 Booster				Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	jo				12/5/2023 4:16:32PM
	Nonh	alogenated Org	anics by	y EPA 8015E) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349001-BLK1)							Prepared: 1	2/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.7		50.0		85.5	50-200			
LCS (2349001-BS1)							Prepared: 1	2/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	45.8		50.0		91.6	50-200			
Matrix Spike (2349001-MS1)				Source:	E311219-	05	Prepared: 1	2/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132			
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2349001-MSD1)				Source:	E311219-	05	Prepared: 1	2/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	1.80	20	
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			



QC Summary Data

		•		v						
Matador Resources, LLC.		Project Name:	F	Rustler Breaks	2 Booster				Re	oorted:
5400 LBJ Freeway, Suite 1500		Project Number:	2	3052-0001						
Dallas TX, 75240		Project Manager:	I	Ashley Gioveng	go				12/5/2023	4:16:32PM
		Anions	by EPA	300.0/9056	A				Analys	st: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2349009-BLK1)							Prepared:	12/04/23	Analyzed:	12/04/23
Chloride	ND	20.0								
LCS (2349009-BS1)							Prepared:	12/04/23	Analyzed:	12/04/23
Chloride	250	20.0	250		99.9	90-110				
Matrix Spike (2349009-MS1)				Source:	E311218-0	2	Prepared:	12/04/23	Analyzed:	12/04/23
Chloride	715	200	250	445	108	80-120				
Matrix Spike Dup (2349009-MSD1)				Source:	E311218-0	2	Prepared:	12/04/23	Analyzed:	12/04/23
Chloride	656	200	250	445	84.6	80-120	8.56	20		

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/05/23 16:16

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

Release

	A	
Page _	1_of	_

Received by OCD: 12/11/2024 12:00:41 AM

chent.	t: Matador Production Company.				Bill To			L	ab Us	se Or	nly				TAT		EPA P	rogram
	Rustler Breaks				Attention: Matador Production	n Company	Lab WO	D#		Job	Num	ber	1D 2	D 3	D	Standard	CWA	SDWA
	Manager: Ashl				Address: on file		E31	21	2	23	055	2-000				x		
Address	: 3122 Nationa	al Parks H	wy		City, State, Zip:					Anal	ysis ar	nd Metho	d					RCRA
City, Sta	te, Zip: Carlsba	ad NM, 8	8220		Phone: (337)319-8398			1.00	1.1.1		11.1		1.00					
Phone:	575-988-0055				Email: clinton.talley@matador	resources.com	ORO		1.1				1.10				State	1 L
Email: a	agiovengo@ens	solum.com	m				RO/	E.	0		0.0		NN	2		NM CO	UT AZ	TX
Report	due by:			-			a/o	/ 8021	8260	601	e 30		1.5.4			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by	VOC by	Metals 6010	Chloride 300.0		BGDOC	- COOL			Remarks	
11:08	11/27/2023	Soil	1 Jar		FS04 - 3'	1							x					
11:12	11/27/2023	Soil	1 Jar		FS06 - 3'	2							x					
11:09	11/27/2023	Soil	1 Jar		FS09 - 3'	3		10					x					
12:30	11/27/2023	Soil	1 Jar		FS12 - 3'	4							x					
12:32	11/27/2023	Soil	1 Jar		FS13 - 3'	5							x			1		
13:42	11/27/2023	Soil	1 Jar		FS21 - 2'	6							x					
13:37	11/27/2023	Soil	1 Jar		FS23 - 4'	17							x					
13:47	11/27/2023	Soil	1 Jar		FS24 - 2'	8							x					
13:49	11/27/2023	Soil	1 Jar		FS25 - 1'	9							x					
13:55	11/27/2023	Soil	1 Jar		FS26 - 4'	10							x					
Addition	al Instructions	: Please	CC: cbu	rton@ensolun	n.com, agiovengo@ensolum.com, ch	namilton@ens	olum.co	om, el	naft@	Pens	olum	.com		_				
	pler), attest to the view of collection is con				aware that tampering with or intentionally mislab action. Sampled by:	elling the sample l	ocation,			0.000						ved on ice the day than 6 °C on subs		led or
Relinquish	ed by: (Signature)		Date	-28-23 Time	21 Received by: (Signature)	Date 11-28-0		145	5	Rec	eived	on ice:	Lab	Use (N	Only			
Mid	ed by: (Signature)		Date Date	12-23 1- Time	100 John Musso	Date 1/-28-	23 Tim	173	0	<u>T1</u>			<u>T2</u>			<u>T3</u>		
Adres	ed by: (Signature) Signature)	J	1.1		845 Received by: (Signature)	Date 11.29	.23	83	~		6 Tem		4			_		
·····	trix: S - Soil, Sd - Solid				(`	Container						, ag - aml	ber glas	s, v - V	OA			-
Note: Sam					iss other arrangements are made. Hazardou ory with this COC. The liability of the laborate							at the clier	nt expens	se. Th	e repo	ir or the ana	lysis of the	above

Released

Page ____ of

Received by OCD: 12/11/2024 12:00:41 AM

Client: I	Aatador Produ	ction Cor	npany.			Bill To				La	ab Us	se Or	nly				TAT		EPA Program	
	Rustler Breaks				-	Attention: Matador Production Co	ompany	Lab	WO#				Num		1D 2	2D 3	DS	tandard	CWA	SDWA
	Aanager: Ashl				-	Address: on file	ECHINI I BUUUAU				2-000	1			x					
	3122 Nationa				-	City, State, Zip:			-			Analy	sis ar	d Metho	d				-	RCRA
	e, Zip: Carlsba	ad NM, 88	8220		-	Phone: (337)319-8398	-		yd C				1	1.1				2		
	575-988-0055				-	Email: clinton.talley@matadorresc	ources.com		/OR(1111	State	Tru
	giovengo@ens	olum.cor	n		-				DRO	8021	60	10	0.00		NN		×	NM CO	UT AZ	IX
Report c	ue by:						1 - b		RO/	oy 8(y 82	s 60	de 3		N			×		1. et
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		enor		Remarks	
11:56	11/27/2023	Soil	1 Jar			SW03 - 0-3'	1								x					
						n, agiovengo@ensolum.com, cham				n, eh	aft@					on must b	a receive	d on ice the day	they are camp	ad or
	of collection is cons					e that tampering with or intentionally mislabelling . Sampled by:	g the sample ic	ocation	•			1 C C C						han 6 °C on subs		
Relinquish	d by: (Signature)		Date	28-23 Time	1 1 2	Received by: (Signature)	Date 11-28-		Time 110 Time	45		Rece	eived	on ice:		o Use / N	Only			
Mid	dby: (Signature)		Date	Time		Received by: (Signature)	11.28. Date		17 Time	30		<u>T1</u>			<u>T2</u>			<u>T3</u>		
	ix: S - Soil, Sd - Solic	l. Sg - Sludge		-0	34	Mund	Container	CJ Type	Y				Tem		r per glas	is. v - \	/0A			
					ess ot	ner arrangements are made. Hazardous sar			_									rt for the ana	alysis of the	above
amples is	applicable only to	those sam	ples receiv	ed by the laborat	tory w	ith this COC. The liability of the laboratory is	limited to th	ne amo	ount p	baid fo	or on	the re	port.							

Envirotech Analytical Laboratory

Client:	Matador Resources, LLC.	Date Received:	11/28/23	08:30	Work Order ID:	E311219
Phone:	(972) 371-5200	Date Logged In:	11/28/23	16:13	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	12/05/23	17:00 (5 day TAT)		
Chain of	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location	match the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, re	quested analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conduc i.e, 15 minute hold time, are not included in this disu		Yes		<u>Commen</u>	ts/Resolution
Sample '	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT	?	Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is Note: Thermal preservation is not required, if sample minutes of sampling visible ice, record the temperature. Actual sar	es are received w/i 15	Yes			
	<u>Container</u>		<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)	?	NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct contain	ners?	Yes			
	appropriate volume/weight or number of sample co		Yes			
Field La	bel					
20. Were	field sample labels filled out with the minimum	information:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
_	Preservation the COC or field labels indicate the samples we	re preserved?	No			
	sample(s) correctly preserved?	re preserveu:	NA			
	b filteration required and/or requested for dissolv	ed metals?	No			
	ase Sample Matrix		1.0			
	the sample have more than one phase, i.e., mult	inhase?	No			
	s, does the COC specify which phase(s) is to be a		NA			
	ract Laboratory	5	1 12 1			
JUDCOUL	Tact Laboratory					
78 1	samples required to get sent to a subcontract labo	ratory?	No			

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







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E311234

Job Number: 23052-0001

Received: 11/30/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/6/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/6/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E311234 Date Received: 11/30/2023 7:30:00AM

Ashley Giovengo,



Page 155 of 351

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/30/2023 7:30:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample	Summary
Sampic	Summary

		Sample Sum	mai y		
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Bo	ooster	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		Reported.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		12/06/23 08:52
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS22-4'	E311234-01A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
FS27-4'	E311234-02A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
FS28-4'	E311234-03A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
FS29- 3.5'	E311234-04A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
FS30- 3.5'	E311234-05A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
FS31- 4'	E311234-06A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
FS39- 4'	E311234-07A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
FS40- 4'	E311234-08A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.
SW04- 0- 4'	E311234-09A	Soil	11/28/23	11/30/23	Glass Jar, 2 oz.



	~	umpie D				
Matador Resources, LLC.	Project Name					
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	52-0001			Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			12/6/2023 8:52:51AN
		FS22-4'				
		E311234-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2348091
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
Toluene	ND	0.0250	1	11/30/23	12/02/23	
p-Xylene	ND	0.0250	1	11/30/23	12/02/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Total Xylenes	ND	0.0250	1	11/30/23	12/02/23	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		87.5 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2349021
Chloride	221	200	10	12/04/23	12/04/23	

Sample Data



	5	ampie D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		ler Breaks 2 Boos 52-0001	ster		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo	12/6/2023 8:52:51AM		
		FS27-4'				
		E311234-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2348091
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
Toluene	ND	0.0250	1	11/30/23	12/02/23	
p-Xylene	ND	0.0250	1	11/30/23	12/02/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Total Xylenes	ND	0.0250	1	11/30/23	12/02/23	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		84.9 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2349021
Chloride	873	200	10	12/04/23	12/04/23	



Sample Data

	0	ample D	ลเล			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2303	tler Breaks 2 Boos 52-0001 ley Giovengo	iter		Reported: 12/6/2023 8:52:51AM
		FS28-4'				
		E311234-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
Toluene	ND	0.0250	1	11/30/23	12/02/23	
p-Xylene	ND	0.0250	1	11/30/23	12/02/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Fotal Xylenes	ND	0.0250	1	11/30/23	12/02/23	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		81.9 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2349021
Chloride	756	200	10	12/04/23	12/04/23	



	5	ample D	ala			
Matador Resources, LLC.	Project Name	e: Rus	ler Breaks 2 Boos	ter		
5400 LBJ Freeway, Suite 1500	Project Numb	per: 230	52-0001	Reported:		
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			12/6/2023 8:52:51AM
		FS29- 3.5'				
		E311234-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348091
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
Toluene	ND	0.0250	1	11/30/23	12/02/23	
p-Xylene	ND	0.0250	1	11/30/23	12/02/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Fotal Xylenes	ND	0.0250	1	11/30/23	12/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		83.4 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2349021
Chloride	ND	200	10	12/04/23	12/04/23	



Sample Data

	D	ample D	ala			
Matador Resources, LLC.	Project Name		tler Breaks 2 Boos	ter		
5400 LBJ Freeway, Suite 1500	Project Numb		52-0001	Reported:		
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			12/6/2023 8:52:51AM
		FS30- 3.5'				
		E311234-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Analyst: RKS		
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
Toluene	ND	0.0250	1	11/30/23	12/02/23	
p-Xylene	ND	0.0250	1	11/30/23	12/02/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Fotal Xylenes	ND	0.0250	1	11/30/23	12/02/23	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.9 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		84.7 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: BA		Batch: 2349021
Chloride	ND	200	10	12/04/23	12/04/23	



Sample Data

	b	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2303	tler Breaks 2 Boos 52-0001 ley Giovengo	ter		Reported: 12/6/2023 8:52:51AM
		FS31- 4'				
		E311234-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348091
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
Toluene	ND	0.0250	1	11/30/23	12/02/23	
p-Xylene	ND	0.0250	1	11/30/23	12/02/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Total Xylenes	ND	0.0250	1	11/30/23	12/02/23	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		85.8 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: BA		Batch: 2349021
Chloride	ND	200	10	12/04/23	12/04/23	



	D	ample D	ลเล			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2303	tler Breaks 2 Boos 52-0001 ley Giovengo	Reported: 12/6/2023 8:52:51AM		
		FS39- 4'				
		E311234-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348091
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
Toluene	ND	0.0250	1	11/30/23	12/02/23	
p-Xylene	ND	0.0250	1	11/30/23	12/02/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Fotal Xylenes	ND	0.0250	1	11/30/23	12/02/23	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		80.2 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: BA		Batch: 2349021
Chloride	296	200	10	12/04/23	12/04/23	



Sample Data

	0	ampie D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 230	tler Breaks 2 Boos 52-0001 ley Giovengo	Reported: 12/6/2023 8:52:51AM		
		FS40- 4'				
		E311234-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2348091
Benzene	ND	0.0250	1	11/30/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/01/23	
Toluene	ND	0.0250	1	11/30/23	12/01/23	
p-Xylene	ND	0.0250	1	11/30/23	12/01/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/30/23	12/01/23	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	11/30/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	11/30/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
Surrogate: n-Nonane		84.0 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2349021
Chloride	363	200	10	12/04/23	12/04/23	



Sample Data

	b	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	tler Breaks 2 Boos 52-0001 ley Giovengo	Reported: 12/6/2023 8:52:51AM		
		SW04- 0- 4'				
		E311234-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348091
Benzene	ND	0.0250	1	11/30/23	12/02/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/02/23	
oluene	ND	0.0250	1	11/30/23	12/02/23	
-Xylene	ND	0.0250	1	11/30/23	12/02/23	
,m-Xylene	ND	0.0500	1	11/30/23	12/02/23	
Total Xylenes	ND	0.0250	1	11/30/23	12/02/23	
urrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2348091
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/02/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	11/30/23	12/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2349001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/04/23	12/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/04/23	12/05/23	
urrogate: n-Nonane		85.3 %	50-200	12/04/23	12/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2349021
Chloride	220	200	10	12/04/23	12/04/23	



QC Summary Data

		QC DI		ii y Data	а					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 2 3052-0001 shley Gioveng					Reported: 12/6/2023 8:52:51AM	
	Volatile Organics by EPA 8021B								Analyst: RKS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2348091-BLK1)	Prepared: 1							1/30/23 A	nalyzed: 12/01/23	
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	7.56	0.0230	8.00		94.5	70-130				
LCS (2348091-BS1)							Prepared: 1	1/30/23 A	analyzed: 12/01/23	
Benzene	5.24	0.0250	5.00		105	70-130				
Ethylbenzene	5.12	0.0250	5.00		102	70-130				
Toluene	5.19	0.0250	5.00		104	70-130				
o-Xylene	5.14	0.0250	5.00		103	70-130				
p,m-Xylene	10.4	0.0500	10.0		104	70-130				
Total Xylenes	15.5	0.0250	15.0		104	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130				
Matrix Spike (2348091-MS1)				Source:	E311234-0	8	Prepared: 1	1/30/23 A	analyzed: 12/01/23	
Benzene	5.17	0.0250	5.00	ND	103	54-133				
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133				
Toluene	5.14	0.0250	5.00	ND	103	61-130				
o-Xylene	5.07	0.0250	5.00	ND	101	63-131				
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131				
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131				
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130				
Matrix Spike Dup (2348091-MSD1)				Source:	E311234-0	8	Prepared: 1	1/30/23 A	analyzed: 12/01/23	
	5.00	0.0250	5.00	ND	100	54-133	3.34	20		
Benzene			5.00	ND	98.8	61-133	2.46	20		
	4.94	0.0250	5.00	ND	90.0		2110	20		
Ethylbenzene	4.94 4.97	0.0250 0.0250	5.00	ND	99.5	61-130	3.19	20		
Ethylbenzene Toluene										
Ethylbenzene Toluene o-Xylene	4.97	0.0250	5.00	ND	99.5	61-130	3.19	20		
Benzene Ethylbenzene Toluene o-Xylene p.m-Xylene Total Xylenes	4.97 4.93	0.0250 0.0250	5.00 5.00	ND ND	99.5 98.7	61-130 63-131	3.19 2.67	20 20		



QC Summary Data

tador Resources, LLC. 10 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001	Booster				Repo	rted:
las TX, 75240		Project Manager:		Ashley Giovengo	,				12/6/2023	8:52:51AM
	No	onhalogenated O	rganic	s by EPA 801	5D - G	RO			Analyst: I	RKS
	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Ν	otes
348091-BLK1)							Prepared: 1	11/30/23 <i>A</i>	Analyzed: 12	/01/23
ange Organics (C6-C10)	ND	20.0								
1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130				
48091-BS2)							Prepared: 1	11/30/23 A	Analyzed: 12	/01/23
ange Organics (C6-C10)	40.0	20.0	50.0		79.9	70-130				
l-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130				
5pike (2348091-MS2)				Source: E	311234-	08	Prepared: 1	11/30/23 A	Analyzed: 12	/01/23
ange Organics (C6-C10)	41.2	20.0	50.0	ND	82.3	70-130				
1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130				
5pike Dup (2348091-MSD2)				Source: E	311234-	08	Prepared: 1	11/30/23 A	Analyzed: 12	/01/23
ange Organics (C6-C10)	40.3	20.0	50.0	ND	80.7	70-130	2.08	20		
1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130				
ange Organics (C6-C10)		20.0			80.7	70-130			Analyzed	: 12



QC Summary Data

			•						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23052-0001 Ashley Gioveng					Reported: 12/6/2023 8:52:51AM
	Nonh	alogenated Org	ganics b	y EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
				0.0					
Blank (2349001-BLK1)							Prepared: 1	12/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.7		50.0		85.5	50-200			
LCS (2349001-BS1)							Prepared: 1	12/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	45.8		50.0		91.6	50-200			
Matrix Spike (2349001-MS1)				Source:	E311219-	05	Prepared: 1	12/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132			
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2349001-MSD1)				Source:	E311219-	05	Prepared: 1	12/04/23 A	Analyzed: 12/04/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	1.80	20	
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			



QC Summary Data

tler Breaks 2 Booster 52-0001			Reported:
liey Gloveligo			12/6/2023 8:52:51AM
0.0/9056A			Analyst: BA
	Rec Limits RPD % %		
	Prepared:	12/04/23	Analyzed: 12/04/23
	Prepared:	12/04/23	Analyzed: 12/04/23
101 9	90-110		
Source: E311232-04	Prepared:	12/04/23	Analyzed: 12/04/23
111 106 8	80-120		
Source: E311232-04	Prepared:	12/04/23	Analyzed: 12/04/23
111 103 8	30-120 1.84	20	
	Result Rec I mg/kg % % 101 9 Source: E311232-04 111 106 8 Source: E311232-04	Alley Giovengo D0.0/9056A Source Result Rec Limits RPD mg/kg % % % Prepared: Prepared: 101 90-110 Source: E311232-04 Prepared: 111 106 80-120	Source Rec Rec RPD Result Rec Limits RPD Limit mg/kg % % % % Prepared: 12/04/23 . . 101 90-110 . . Source: E311232-04 Prepared: 12/04/23 111 106 80-120 . Source: E311232-04 Prepared: 12/04/23

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/06/23 08:52

- 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.



Refroject Information

Chain	of	Custod
Chain	01	Custou

1.00		1.1
Page	*	of

Received by OCD: 12/11/2024 12:00:41 AM

	latador Produ	ction Co	mpany.			Bill To			5112		Use O					TA			Program
	Rustler Breaks					ention: Matador Production	Company	Lab V	VO#			Numb			2D	3D	Standar	d CWA	SDWA
	oject Manager: Ashley Giovengo				lress: on file		E Z	-30	52			-000				х			
ddress:	3122 Nationa	al Parks H	łwy		City	, State, Zip:				1000	Anal	ysis an	d Metho	d					RCRA
ity, State	e, Zip: Carlsba	ad NM, 8	8220		Pho	ne: (337)319-8398		4	ha									1	
hone: 5	75-988-0055				Emi	ail: clinton.talley@matadorre	esources.com		DK0									State	1
mail: ag	iovengo@ens	olum.co	m					100	NO.	-		0.		MN			NM	CO UT A	TX
eport du	ue by:				140			10/0	10/0	y 8021	010	300				TX	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		I РН GКU/UKU/UKU DY 8015	BTEX by 8021	is is	Chloride 300.0		BGDOC		GDOC		Remark	s
12:51	11/28/2023	Soil	1 Jar			FS22 - 4'	1							x			1		
10:58	11/28/2023	Soil	1 Jar			FS27 - 4'	2							x					
11:04	11/28/2023	Soil	1 Jar			FS28 - 4'	3							x					
11:08	11/28/2023	Soil	1 Jar			FS29 - 3.5'	4							x					
11:10	11/28/2023	Soil	1 Jar			FS30 - 3.5'	5		8					x					
12:56	11/28/2023	Soil	1 Jar			FS31 - 4'	0							x					
14:27	11/28/2023	Soil	1 Jar			FS39 - 4'	7							x					
13:00	11/28/2023	Soil	1 Jar			FS40 - 4'	8							x					
14:35	11/28/2023	Soil	1 Jar			5W04 - 0-4'	9							x					
				1															
dditiona	al Instructions	: Pleas	e CC: cbu	irton@ensolu	im.com, a	giovengo@ensolum.com, cha	amilton@en	solum	.com	, ehaf	t@en	solum	.com						
	ler), attest to the v of collection is con					tampering with or intentionally mislabe Sampled by:	lling the sample	location,										day they are sam subsequent days.	
10	d by: (Signature)			29.23 7.	:05	Received by: (Signature)	Date 11-29-2	13	113	6	Rec	eived	on ice:		ab Us	se Onl	y		
	d by: (Signature)		Date Date	29-23 11	645	Received by: (Signature) Received by: (Signature)	Date 11-20 Date	9.23	ime 17 Time	700	<u>T1 </u>								
Andre	w Muss	D	41.	29.23 2	300	Amentene	11/30	123	7:2	30			p°c d						
	ix: S - Soil, Sd - Soli				loss other a	rrangements are made	Containe											analusis of th	anhaur
						rrangements are made. Hazardous his COC. The liability of the laborator							it the clief	it exp	ense.	ine re	eport for the	analysis of th	le above

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	11/30/23 07	7:30	Work Order ID:	E311234
Phone:	(972) 371-5200 Da	te Logged In:	11/30/23 09	9:08	Logged In By:	Jordan Montano
Email:	agiovngo@ensolum.com Du	ie Date:	12/06/23 11	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location match	the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample 7	<u>Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (Cooler					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ten	nperature: 4°	С			
	Container_					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum information	ation:				
	ample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes	·		
	Preservation		No			
	the COC or field labels indicate the samples were prese	rved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved meta	ls?	No			
	• •		110			
	ase Sample Matrix		No			
	, does the COC specify which phase(s) is to be analyzed	19	No Na			
•		11	NA			
	ract Laboratory					
7X Ares	amples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so	1 0	NA	Subcontract Lab: NA		

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E311238

Job Number: 23052-0001

Received: 12/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/8/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/8/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E311238 Date Received: 12/1/2023 7:30:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/1/2023 7:30:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Matador Resources, LLC.

1/2024 12:00:41 AM	Page 177	of 351		
	Sample Sum	mary		
	Project Name:	Rustler Breaks 2 Booster	Reported:	
1500	Project Number:	23052-0001	Reported:	

5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:	23052-0001 Ashley Giovengo		Reported: 12/08/23 15:23	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
S01-5'	E311238-01A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.	
S01-6'	E311238-02A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.	



	Sam		la			
Matador Resources, LLC.	Project Name:	Rustle	Breaks 2 Boost	ter		
5400 LBJ Freeway, Suite 1500	Project Number:	23052-	0001			Reported:
Dallas TX, 75240	Project Manager:	Ashley	Giovengo			12/8/2023 3:23:27PM
	S	01-5'				
	E31	1238-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	BA		Batch: 2349037
Chloride	845	200	10	12/05/23	12/06/23	

Sample Data



	Dam		la			
Matador Resources, LLC.	Project Name:	Rustler	Breaks 2 Boos	ter		
5400 LBJ Freeway, Suite 1500	Project Number:	23052-	0001			Reported:
Dallas TX, 75240	Project Manager:	Ashley	Giovengo			12/8/2023 3:23:27PM
	St	1-6'				
	E311	238-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	BA		Batch: 2349037
Chloride	2480	200	10	12/05/23	12/06/23	



QC Summary Data

	Project Name: Project Number: Project Manager:		23052-0001					Reported: 12/8/2023 3:23:27PM
	Anions	by EPA	300.0/90564	4				Analyst: BA
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 1	2/05/23	Analyzed: 12/06/23
ND	20.0							
						Prepared: 1	2/05/23	Analyzed: 12/06/23
248	20.0	250		99.1	90-110			
			Source: E311242-01			Prepared: 1	2/05/23	Analyzed: 12/06/23
655	200	250	393	105	80-120			
			Source: E311242-01			Prepared: 1	2/05/23	Analyzed: 12/06/23
669	200	250	393	110	80-120	2.18	20	
-	mg/kg ND 248 655	Project Name: Project Number: Project Manager: Anions Result MD 248 200 655 200	Project Name: Project Number: Project Manager: Anions by EPA Result mg/kg Reporting Limit mg/kg Spike Level mg/kg ND 20.0 248 20.0 250 655 200 250	Project Name: Rustler Breaks 2 Project Number: 23052-0001 Project Manager: Ashley Gioveng Anions by EPA 300.0/90562 Result Reporting Spike Source Result mg/kg mg/kg mg/kg ND 20.0 Source: 248 20.0 250 Source: Source: Source: 655 200 250 Source: Source: Source:	Project Name: Project Number: Project Manager: Rustler Breaks 2 Booster 23052-0001 Ashley Giovengo Anions by EPA 300.0/9056A Result mg/kg Spike Mg/kg Source Mg/kg ND 20.0 99.1 248 20.0 250 99.1 Source: E311242-0 655 200 250 393 105 Source: E311242-0	Project Name: Project Number: Project Manager: Rustler Breaks 2 Booster 23052-0001 Ashley Giovengo Anions by EPA 300.0/9056A Rec Result mg/kg Spike Mg/kg Source Mg/kg Rec Rec ND 20.0 99.1 90-110 Source: E311242-01 Source: E311242-01 655 200 250 393 105 80-120	Project Name: Project Number: 23052-0001 Project Manager:Rustler Breaks 2 Booster 23052-0001 Project Manager:Ashley GiovengoAnions by EPA 300.0/9056AResult Result mg/kgRec Rec LimitRec MPD %Result mg/kgSpike mg/kgSource mg/kgRec mg/kgRPD %ND 20.020.0Prepared: 1ND 24820.025099.190-110Source: E311242-01Prepared: 165520025039310580-120Source: E311242-01Prepared: 1	Project Name: Rustler Breaks 2 Booster Project Number: 23052-0001 Project Manager: Ashley Giovengo Ashley Giovengo Anions by EPA 300.0/9056A Result Reporting Spike Source Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg generation % % % % ND 20.0 20.0 Prepared: 12/05/23 Prepared:

QC Summary Report Comment:

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


Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/08/23 15:23

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





Referoject Information

Page _____ of ____

	latador Produc				Bill To				Lat	b Use						TA	the second se		rogram
	Rustler Breaks				Attention: Matador Product	ion Company	Lab W	/0#	100	, 1	lob	Numb	er	1D	2D	3D	Standard	CWA	SDWA
	lanager: Ashle				Address: on file		E3	112	150				000		1		×		
	3122 Nationa				City, State, Zip:			-		A	naly	sis an	d Metho	bd	1	-			RCRA
	e, Zip: Carlsba	ad NM, 88	8220		Phone: (337)319-8398														
	75-988-0055	-			Email: clinton.talley@matade	orresources.con	/OR							-			NAL CO	State	TV
	giovengo@ens	olum.cor	m				DRO		021	60	10	00.00		MN		X	NM CO	UT AZ	TX
Report de	ue by:		1			Lab	BO/		by 8	y 82	s 60	de 3		N			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Number	TPH C	8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	-	BGDOC	-	GDOC		Remarks	
13:42	11/29/2023	Soil	1 Jar		S01 - 5'	1						x						J Flag (See Walter)
14:11	11/29/2023	Soil	1 Jar		S01 - 6'	2						x						J Flag (See Walter)
	_			1															
										-				1					
								-	-	+	-			-					
						-		-	-	-	-	-	-						
Addition	Instructions	· Ploase	CC: chu	rton@ensolun	n.com, agiovengo@ensolum.com,	chamilton@en		Com	oha	oft@d	onso		com						_
			1		aware that tampering with or intentionally mis			com,	, спо					preserva	tion mu	ist he rec	eived on ice the day	they are samp	led or
ate or time	of collection is cons		d and may b	e grounds for legal	action. Sampled by:		ocation,							n avg ter	np abov	e 0 but le	ess than 6 °C on subs		
On	d by: (Signature)	>		30-237:	Received By: (Signature)	ky 1-30-		t0	30) F	Rece	eived	on ice:		ab Us	se On	y		
	d by: (Signature)		Date	30.203 J	130 Andrew Mrsso	Date 11.3	2.23	18	300]	T1			<u>T2</u>			<u>T3</u>		
Telinquistie	Wby: (Signature)		Date	30.23 Z	Hop Ann Ann	Date 12141		1. 1.	20) 4	AVG	Tem	o°c_4	4					
ample Matr	rix: S - Soil, Sd - Solic	d, Sg - Sludge				Containe	r Type:	g - gl	lass,	p - po	oly/p	lastic,	ag - am	ber gl	ass, v	- VOA			
Note: Samp	oles are discarded	30 days af	fter results	are reported unle	ess other arrangements are made. Hazard								t the clier	nt exp	ense.	The re		alysis of the	above

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	12/01/23 0	7:30	Work Order ID: E311238
Phone:	(972) 371-5200	Date Logged In:	11/30/23 14	4:14	Logged In By: Jordan Montano
Email:	agiovngo@ensolum.com	Due Date:	12/07/23 1	7:00 (4 day TAT)	
<u>Chain of</u>	<u>Custody (COC)</u>				
1. Does t	he sample ID match the COC?		No		
2. Does t	he number of samples per sampling site location mat	ch the COC	Yes		
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	ourier
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	_	
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		Yes		Comments/Resolution
Sample ?	<u>Furn Around Time (TAT)</u>				
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		Sample names do not match COC.
Sample (Cooler				S01-5 is S1-5 and S01-6 is S1-6.
7. Was a	sample cooler received?		Yes		
8. If yes,	was cooler received in good condition?		Yes		
9. Was th	e sample(s) received intact, i.e., not broken?		Yes		
10. Were	custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample	temperature: <u>4°</u>	<u>C</u>		
<u>Sample (</u>	<u>Container</u>				
14. Are a	queous 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	a trip blank (TB) included for VOC analyses?		NA		
18. Are n	on-VOC samples collected in the correct containers?	1	Yes		
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes		
Field La					
	field sample labels filled out with the minimum info	rmation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		Yes No	-	
	Preservation		INO		
	the COC or field labels indicate the samples were pr	eserved?	No		
	ample(s) correctly preserved?		NA		
	filteration required and/or requested for dissolved m	etals?	No		
Multinh	ase Sample Matrix				
	the sample have more than one phase, i.e., multiphas	se?	No		
	s, does the COC specify which phase(s) is to be analy		NA		
27.11 900	· · ·				
	ract Laboratory				
Subconti	ract Laboratory	y?	No		



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





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Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E311242

Job Number: 23052-0001

Received: 12/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/8/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/8/23

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

Project Name: Rustler Breaks 2 Booster Workorder: E311242 Date Received: 12/1/2023 7:30:00AM

Ashley Giovengo,



Page 185 of 351

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/1/2023 7:30:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Samp	le S	umma	arv
Samp		ummine.	41 y

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Rustler Breaks 2 B 23052-0001	ooster	Reported:
Dallas TX, 75240		Project Manager: Ashley Giovengo			12/08/23 13:29
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
'S01-4'	E311242-01A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
S08-3'	E311242-02A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
S10-3.5'	E311242-03A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
S11-4'	E311242-04A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
\$32-4'	E311242-05A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
\$33-4'	E311242-06A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
\$34-4'	E311242-07A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
835-4'	E311242-08A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
\$36-4'	E311242-09A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
\$37-4'	E311242-10A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
\$38-4'	E311242-11A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
W01- 0-4'	E311242-12A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
W02- 0-3'	E311242-13A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
W05- 0-4'	E311242-14A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
W06- 0-4'	E311242-15A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.



		impic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2305	ler Breaks 2 52-0001 ley Gioveng		er		Reported: 12/8/2023 1:29:33PM
		FS01-4'					
		E311242-01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2348097
Benzene	ND	0.0250	1		12/01/23	12/07/23	
Ethylbenzene	ND	0.0250	1		12/01/23	12/07/23	
Toluene	ND	0.0250	1		12/01/23	12/07/23	
o-Xylene	ND	0.0250	1		12/01/23	12/07/23	
p,m-Xylene	ND	0.0500	1		12/01/23	12/07/23	
Total Xylenes	ND	0.0250	1		12/01/23	12/07/23	
Surrogate: Bromofluorobenzene		112 %	70-130		12/01/23	12/07/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		12/01/23	12/07/23	
Surrogate: Toluene-d8		93.5 %	70-130		12/01/23	12/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2348097		
Gasoline Range Organics (C6-C10)	ND	20.0	1		12/01/23	12/07/23	
Surrogate: Bromofluorobenzene		112 %	70-130		12/01/23	12/07/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		12/01/23	12/07/23	
Surrogate: Toluene-d8		93.5 %	70-130		12/01/23	12/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2349060	
Diesel Range Organics (C10-C28)	ND	25.0	1		12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1		12/06/23	12/06/23	
Surrogate: n-Nonane		100 %	50-200		12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:]	BA		Batch: 2349037
Chloride	393	200	10	0	12/05/23	12/06/23	

Sample Data



Sample Data

		sample D	ala					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	400 LBJ Freeway, Suite 1500Project Number:23052-0001							
		FS08-3'						
		E311242-02						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2348097		
Benzene	ND	0.0250	1	12/01/23	12/05/23			
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23			
Toluene	ND	0.0250	1	12/01/23	12/05/23			
o-Xylene	ND	0.0250	1	12/01/23	12/05/23			
,m-Xylene	ND	0.0500	1	12/01/23	12/05/23			
Fotal Xylenes	ND	0.0250	1	12/01/23	12/05/23			
Surrogate: Bromofluorobenzene		99.3 %	70-130	12/01/23	12/05/23			
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	12/01/23	12/05/23			
Surrogate: Toluene-d8		95.5 %	70-130	12/01/23	12/05/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348097		
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23			
Surrogate: Bromofluorobenzene		99.3 %	70-130	12/01/23	12/05/23			
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	12/01/23	12/05/23			
Surrogate: Toluene-d8		95.5 %	70-130	12/01/23	12/05/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: JL			Batch: 2349060		
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23			
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23			
Surrogate: n-Nonane		97.6 %	50-200	12/06/23	12/06/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2349037		
Chloride	486	200	10	12/05/23	12/06/23			



Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Reported: 12/8/2023 1:29:33PM					
		FS10-3.5'					
		E311242-03					
Analyte	Result	Reporting Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2348097
Benzene	ND	0.0250		1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250		1	12/01/23	12/05/23	
Toluene	ND	0.0250		1	12/01/23	12/05/23	
o-Xylene	ND	0.0250		1	12/01/23	12/05/23	
o,m-Xylene	ND	0.0500		1	12/01/23	12/05/23	
Fotal Xylenes	ND	0.0250		1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		101 %	70-130		12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		12/01/23	12/05/23	
Surrogate: Toluene-d8		96.7 %	70-130		12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348097	
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		101 %	70-130		12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		12/01/23	12/05/23	
Surrogate: Toluene-d8		96.7 %	70-130		12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2349060	
Diesel Range Organics (C10-C28)	ND	25.0		1	12/06/23	12/06/23	
Dil Range Organics (C28-C36)	ND	50.0		1	12/06/23	12/06/23	
Surrogate: n-Nonane		94.3 %	50-200		12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2349037
Chloride	449	200	1	0	12/05/23	12/06/23	



Sample Data

		Sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 2305	ler Breaks 2 Bo 2-0001 ey Giovengo	oster		Reported: 12/8/2023 1:29:33PM
		FS11-4'				
		E311242-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23	
oluene	ND	0.0250	1	12/01/23	12/05/23	
-Xylene	ND	0.0250	1	12/01/23	12/05/23	
,m-Xylene	ND	0.0500	1	12/01/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130	12/01/23	12/05/23	
urrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/01/23	12/05/23	
Jurrogate: Toluene-d8		96.4 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		96.4 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL			Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
urrogate: n-Nonane		102 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349037
Chloride	1060	200	10	12/05/23	12/06/23	



Sample Data

	R.	sample D	ala					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001							
		FS32-4'						
		E311242-05						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2348097		
Benzene	ND	0.0250	1	12/01/23	12/05/23			
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23			
oluene	ND	0.0250	1	12/01/23	12/05/23			
-Xylene	ND	0.0250	1	12/01/23	12/05/23			
,m-Xylene	ND	0.0500	1	12/01/23	12/05/23			
Total Xylenes	ND	0.0250	1	12/01/23	12/05/23			
Surrogate: Bromofluorobenzene		99.4 %	70-130	12/01/23	12/05/23			
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/01/23	12/05/23			
urrogate: Toluene-d8		96.4 %	70-130	12/01/23	12/05/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2348097		
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23			
'urrogate: Bromofluorobenzene		99.4 %	70-130	12/01/23	12/05/23			
'urrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	12/01/23	12/05/23			
urrogate: Toluene-d8		96.4 %	70-130	12/01/23	12/05/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL			Batch: 2349060		
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23			
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23			
urrogate: n-Nonane		95.2 %	50-200	12/06/23	12/06/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2349037		
Chloride	280	200	10	12/05/23	12/06/23			



Sample Data

	R.	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 2305	ler Breaks 2 Bo 52-0001 ey Giovengo	oster		Reported: 12/8/2023 1:29:33PM
		FS33-4'				
		E311242-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23	
Toluene	ND	0.0250	1	12/01/23	12/05/23	
p-Xylene	ND	0.0250	1	12/01/23	12/05/23	
,m-Xylene	ND	0.0500	1	12/01/23	12/05/23	
Fotal Xylenes	ND	0.0250	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		94.9 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		94.9 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		102 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349037
Chloride	418	200	10	12/05/23	12/06/23	



Sample Data

	ĸ	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 2305	ler Breaks 2 Bo 52-0001 ley Giovengo	oster		Reported: 12/8/2023 1:29:33PM
		FS34-4'				
		E311242-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/07/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/07/23	
oluene	ND	0.0250	1	12/01/23	12/07/23	
-Xylene	ND	0.0250	1	12/01/23	12/07/23	
,m-Xylene	ND	0.0500	1	12/01/23	12/07/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/07/23	
Surrogate: Bromofluorobenzene		93.7 %	70-130	12/01/23	12/07/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	12/01/23	12/07/23	
urrogate: Toluene-d8		96.0 %	70-130	12/01/23	12/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/07/23	
Surrogate: Bromofluorobenzene		93.7 %	70-130	12/01/23	12/07/23	
'urrogate: 1,2-Dichloroethane-d4		103 %	70-130	12/01/23	12/07/23	
urrogate: Toluene-d8		96.0 %	70-130	12/01/23	12/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
urrogate: n-Nonane		99.2 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2349037
Chloride	ND	200	10	12/05/23	12/06/23	



Sample Data

	K.	sample D	ala			
Matador Resources, LLC.	Project Name	e: Rust	ler Breaks 2 Bo	oster		
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	52-0001	Reported:		
Dallas TX, 75240	Project Mana	ager: Ash	ey Giovengo			12/8/2023 1:29:33PM
		FS35-4'				
		E311242-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23	
Toluene	ND	0.0250	1	12/01/23	12/05/23	
p-Xylene	ND	0.0250	1	12/01/23	12/05/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		94.8 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		94.8 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		98.9 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349037
Chloride	775	200	10	12/05/23	12/06/23	



Sample Data

	N N	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2305	ler Breaks 2 Bo 52-0001 ley Giovengo	oster		Reported: 12/8/2023 1:29:33PM
		FS36-4'				
		E311242-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23	
Toluene	ND	0.0250	1	12/01/23	12/05/23	
o-Xylene	ND	0.0250	1	12/01/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/01/23	12/05/23	
Fotal Xylenes	ND	0.0250	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.3 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		95.1 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.3 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		95.1 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		84.0 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349037
Chloride	680	200	10	12/05/23	12/06/23	



Sample Data

	ĸ	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Man	ber: 2305	ler Breaks 2 Bo 52-0001 ley Giovengo	oster		Reported: 12/8/2023 1:29:33PM
		FS37-4'				
		E311242-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23	
oluene	ND	0.0250	1	12/01/23	12/05/23	
-Xylene	ND	0.0250	1	12/01/23	12/05/23	
,m-Xylene	ND	0.0500	1	12/01/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.1 %	70-130	12/01/23	12/05/23	
urrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	12/01/23	12/05/23	
urrogate: Toluene-d8		96.1 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23	
urrogate: Bromofluorobenzene		99.1 %	70-130	12/01/23	12/05/23	
'urrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	12/01/23	12/05/23	
urrogate: Toluene-d8		96.1 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: JL			Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
urrogate: n-Nonane		74.0 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349037
Chloride	690	200	10	12/05/23	12/06/23	



Sample Data

		sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ler Breaks 2 Bo 52-0001 ley Giovengo	oster		Reported: 12/8/2023 1:29:33PM
		FS38-4'				
		E311242-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23	
Toluene	ND	0.0250	1	12/01/23	12/05/23	
o-Xylene	ND	0.0250	1	12/01/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/01/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		95.9 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		95.9 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal		Batch: 2349060	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/07/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/07/23	
Surrogate: n-Nonane		60.3 %	50-200	12/06/23	12/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349037
Chloride	3030	200	10	12/05/23	12/06/23	



Sample Data

	R R	sample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ler Breaks 2 52-0001 ley Gioveng			Reported: 12/8/2023 1:29:33PM
		SW01- 0-4'				
		E311242-12				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepa	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/	/23 12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/	/23 12/05/23	
Toluene	ND	0.0250	1	12/01/	/23 12/05/23	
-Xylene	ND	0.0250	1	12/01/	/23 12/05/23	
,m-Xylene	ND	0.0500	1	12/01/	/23 12/05/23	
Fotal Xylenes	ND	0.0250	1	12/01/	/23 12/05/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130	12/01/	/23 12/05/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	12/01/	/23 12/05/23	
Surrogate: Toluene-d8		95.1 %	70-130	12/01/	/23 12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/	/23 12/05/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130	12/01/	/23 12/05/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	12/01/	/23 12/05/23	
Surrogate: Toluene-d8		95.1 %	70-130	12/01/	/23 12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL		Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/	/23 12/07/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/	/23 12/07/23	
Surrogate: n-Nonane		83.1 %	50-200	12/06/	/23 12/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA		Batch: 2349037
Chloride	245	200	10	12/05/	/23 12/06/23	



Sample Data

	D	ample D	ala			
Matador Resources, LLC.	Project Name	e: Rust	ler Breaks 2 Bo	ooster		
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	52-0001		Reported:	
Dallas TX, 75240	Project Mana	iger: Ash	ey Giovengo			12/8/2023 1:29:33PM
		SW02- 0-3'				
		E311242-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Benzene	ND	0.0250	1	12/01/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/05/23	
Toluene	ND	0.0250	1	12/01/23	12/05/23	
p-Xylene	ND	0.0250	1	12/01/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/01/23	12/05/23	
Fotal Xylenes	ND	0.0250	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.1 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		95.4 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.1 %	70-130	12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/01/23	12/05/23	
Surrogate: Toluene-d8		95.4 %	70-130	12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: JL			Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/07/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/07/23	
Surrogate: n-Nonane		91.6 %	50-200	12/06/23	12/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2349037
Chloride	494	200	10	12/05/23	12/06/23	



Sample Data

	5	ample D	ata						
Matador Resources, LLC.	Project Name		ler Breaks	2 Boost	ter				
5400 LBJ Freeway, Suite 1500	Project Numb								
Dallas TX, 75240	Project Mana	ger: Ash	ley Gioven	go			12/8/2023 1:29:33PM		
		SW05- 0-4'							
		E311242-14							
		Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2348097		
Benzene	ND	0.0250		1	12/01/23	12/05/23			
Ethylbenzene	ND	0.0250		1	12/01/23	12/05/23			
Toluene	ND	0.0250		1	12/01/23	12/05/23			
p-Xylene	ND	0.0250		1	12/01/23	12/05/23			
o,m-Xylene	ND	0.0500		1	12/01/23	12/05/23			
Total Xylenes	ND	0.0250		1	12/01/23	12/05/23			
Surrogate: Bromofluorobenzene		97.4 %	70-130		12/01/23	12/05/23			
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		12/01/23	12/05/23			
Surrogate: Toluene-d8		94.8 %	70-130		12/01/23	12/05/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2348097		
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/01/23	12/05/23			
Surrogate: Bromofluorobenzene		97.4 %	70-130		12/01/23	12/05/23			
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		12/01/23	12/05/23			
Surrogate: Toluene-d8		94.8 %	70-130		12/01/23	12/05/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: JL			Batch: 2349060			
Diesel Range Organics (C10-C28)	ND	25.0		1	12/06/23	12/07/23			
Dil Range Organics (C28-C36)	ND	50.0		1	12/06/23	12/07/23			
Surrogate: n-Nonane		98.1 %	50-200		12/06/23	12/07/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	BA		Batch: 2349037		
Chloride	299	200	1	10	12/05/23	12/06/23			



Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2305	ler Breaks 52-0001 ley Giover		ter		Reported: 12/8/2023 1:29:33PM
		SW06- 0-4'					
		E311242-15					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
		<u>y</u>	Batch: 2348097				
Volatile Organic Compounds by EPA 8260B	mg/kg ND	0.0250		1	12/01/23	12/05/23	Batch: 2346077
Ethylbenzene	ND	0.0250		1	12/01/23	12/05/23	
Foluene	ND	0.0250		1	12/01/23	12/05/23	
-Xylene	ND	0.0250		1	12/01/23	12/05/23	
p,m-Xylene	ND	0.0500		1	12/01/23	12/05/23	
Total Xylenes	ND	0.0250		1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130		12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		12/01/23	12/05/23	
Surrogate: Toluene-d8		93.9 %	70-130		12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2348097
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/01/23	12/05/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130		12/01/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		12/01/23	12/05/23	
Surrogate: Toluene-d8		93.9 %	70-130		12/01/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2349060
Diesel Range Organics (C10-C28)	ND	25.0		1	12/06/23	12/07/23	
Dil Range Organics (C28-C36)	ND	50.0		1	12/06/23	12/07/23	
Gurrogate: n-Nonane		92.0 %	50-200		12/06/23	12/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2349037
Chloride	213	200		10	12/05/23	12/06/23	



QC Summary Data

		ve si		iry Dai	a					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 8052-0001 shley Gioven				1:	Reported: 2/8/2023 1:29:33PM	
		Volatile Organic	Compo	unds by E	PA 8260B	3	Analyst: RKS			
		Reporting	Spike	Source		Rec		RPD	5	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2348097-BLK1)							Prepared: 1	2/01/23 Ana	lyzed: 12/07/23	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130				
Surrogate: Toluene-d8	0.527		0.500		105	70-130				
LCS (2348097-BS1)							Prepared: 1	2/01/23 Ana	lyzed: 12/05/23	
Benzene	2.30	0.0250	2.50		92.2	70-130				
Ethylbenzene	2.25	0.0250	2.50		90.0	70-130				
Toluene	2.21	0.0250	2.50		88.2	70-130				
o-Xylene	2.26	0.0250	2.50		90.4	70-130				
p,m-Xylene	4.38	0.0500	5.00		87.5	70-130				
Total Xylenes	6.64	0.0250	7.50		88.5	70-130				
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130				
Surrogate: Toluene-d8	0.474		0.500		94.7	70-130				
Matrix Spike (2348097-MS1)				Source:	E311242-0)7	Prepared: 1	2/01/23 Ana	lyzed: 12/05/23	
Benzene	2.37	0.0250	2.50	ND	94.9	48-131				
Ethylbenzene	2.31	0.0250	2.50	ND	92.3	45-135				
Toluene	2.29	0.0250	2.50	ND	91.4	48-130				
o-Xylene	2.36	0.0250	2.50	ND	94.6	43-135				
p,m-Xylene	4.56	0.0500	5.00	ND	91.3	43-135				
Total Xylenes	6.93	0.0250	7.50	ND	92.4	43-135				
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130				
Surrogate: Toluene-d8	0.474		0.500		94.7	70-130				
Matrix Spike Dup (2348097-MSD1)				Source:	E311242-0)7	Prepared: 1	2/01/23 Ana	alyzed: 12/05/23	
Benzene	2.37	0.0250	2.50	ND	94.7	48-131	0.190	23		
Ethylbenzene	2.34	0.0250	2.50	ND	93.7	45-135	1.51	27		
Toluene	2.31	0.0250	2.50	ND	92.3	48-130	0.958	24		
o-Xylene	2.41	0.0250	2.50	ND	96.2	43-135	1.74	27		
p,m-Xylene	4.65	0.0500	5.00	ND	93.0	43-135	1.90	27		
Total Xylenes	7.06	0.0250	7.50	ND	94.1	43-135	1.84	27		
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130				
-										
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130				



QC Summary Data

		QC DI		ary Date	L					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Rustler Breaks 2 3052-0001 Ashley Gioveng					Reported: 12/8/2023 1:29:33PM	
	No	onhalogenated O	rganics	by EPA 801	5D - GR	0		Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2348097-BLK1)							Prepared: 1	12/01/23	Analyzed: 12/07/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130				
Surrogate: Toluene-d8	0.527		0.500		105	70-130				
LCS (2348097-BS2)							Prepared: 1	12/01/23	Analyzed: 12/07/23	
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130				
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130				
Surrogate: Toluene-d8	0.515		0.500		103	70-130				
Matrix Spike (2348097-MS2)				Source: 1	E311242-07		Prepared: 1	12/01/23	Analyzed: 12/05/23	
Gasoline Range Organics (C6-C10)	37.7	20.0	50.0	ND	75.4	70-130				
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130				
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130				
Matrix Spike Dup (2348097-MSD2)				Source: 1	E311242-07		Prepared: 1	12/01/23	Analyzed: 12/05/23	
Gasoline Range Organics (C6-C10)	39.2	20.0	50.0	ND	78.4	70-130	3.93	20		
Surrogate: Bromofluorobenzene	0.404		0.500		98.8	70-130				
urrogute. Bromojtuorobenzene	0.494									
Surrogate: 1,2-Dichloroethane-d4	0.494 0.481		0.500		96.2	70-130				



QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23052-0001	2 Booster				Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	jo				12/8/2023 1:29:33PM
	Nonh	alogenated Org	anics b	y EPA 8015E) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349060-BLK1)							Prepared: 1	2/06/23 A	analyzed: 12/06/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.8		50.0		104	50-200			
LCS (2349060-BS1)							Prepared: 1	2/06/23 A	analyzed: 12/06/23
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
Matrix Spike (2349060-MS1)				Source:	E311242-	06	Prepared: 1	2/06/23 A	analyzed: 12/06/23
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike Dup (2349060-MSD1)				Source:	E311242-	06	Prepared: 1	2/06/23 A	analyzed: 12/06/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	5.12	20	
Surrogate: n-Nonane	53.4		50.0		107	50-200			



QC Summary Data

		•		v						
Matador Resources, LLC.		Project Name:	R	Rustler Breaks	2 Booster				Repor	ted:
5400 LBJ Freeway, Suite 1500		Project Number:	2	3052-0001					•	
Dallas TX, 75240		Project Manager:	A	Ashley Gioveng	go				12/8/2023	1:29:33PM
		Anions	by EPA	300.0/9056	A				Analyst:	BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	N	otes
Blank (2349037-BLK1)							Prepared:	12/05/23	Analyzed: 12	/06/23
Chloride	ND	20.0								
LCS (2349037-BS1)							Prepared:	12/05/23	Analyzed: 12	/06/23
Chloride	248	20.0	250		99.1	90-110				
Matrix Spike (2349037-MS1)				Source:	E311242-0	1	Prepared:	12/05/23	Analyzed: 12	/06/23
Chloride	655	200	250	393	105	80-120				
Matrix Spike Dup (2349037-MSD1)				Source:	E311242-0	1	Prepared:	12/05/23	Analyzed: 12	/06/23
Chloride	669	200	250	393	110	80-120	2.18	20		

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/08/23 13:29

- 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.





Referoject Information

Page	of	<u>_</u> 2
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Received by OCD: 12/11/2024 12:00:41 AM

Client:	Matador Produ	ction Co	mpany.		· . ·	Bill To	. <u> </u>		10.15	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	Lá	ab U	se On	ily		ा		T	TAT		EPA P	rogram
Project:	Rustler Break	s 2 Boost	er			Attention: Matador Produc	tion Cor	npany	Lab	WO#	£		Job				2D	3D	St	andard	CWA	SDWA
Project	Manager: Ashl	<u>ey Giove</u>	ngo			Address: on file			E	311	24	2	23	05	2-00	-N		1		x		
	: 3122 Nationa				_	City, State, Zip:									nd Meth							RCRA
	te, Zip: Carlsb	ad NM, 8	8220		_	Phone: (337)319-8398				by						Τ	Т	Τ	T			
1	<u>575-988-0055</u>					Email: clinton.talley@matad	lorresou	irces.com	{	ORO											State	
	igiovengo@en	olum.co	<u>m</u>		_					RO/	12	•		0.0		Σ		۲ ۲		NM CO	UT AZ	TX
Report of	lue by:			<u></u>						0/0	y 80.	826	601	e 30						×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
15:45	11/29/2023	Soil	1 Jar			FS01 - 4'		I								x						
10:17	11/29/2023	Soil	1 Jar			FS08 - 3'		2								x						
9:28	11/29/2023	Soil	1 Jar			FS10 - 3.5		3								×						
10:31	11/29/2023	Soil	1 Jar		· · ·	FS11 - 4'		4								x		1				
11:31	11/29/2023	Soil	1 Jar			FS32 - 4'		5								×						
14:12	11/29/2023	Soil	1 Jar			FS33 - 4'		0								x		\uparrow				
14:00	11/29/2023	Soil	1 Jar			FS34 - 4'		7								x						
13:30	11/29/2023	Soil	1 Jar			FS35 - 4'		8								x						
14:01	11/29/2023	Soil	1 Jar			FS36 - 4'		ğ								x						
12:25	11/29/2023	Soil	1 Jar			FS37 - 4'		10								×		1				
Addition	al Instructions	: Please	e CC: cbu	rton@ensolu	ım.co	om, agiovengo@ensolum.com,	, chamil	ton@ens	olun	n.con	n, eh	aft@	Penso	olum	i.com				<u> </u>			
	pler), attest to the v of collection is con					re that tampering with or intentionally mi	slabelling t	he sample in	ocatio	n,										on ice the day an 6 °C on subs		led or
	ed by: (Signature)		Date	Tim		n. Sampled by: Received by:	1	Date		Time			1. A.		<u>.</u>		ahil	lse O	nly	antal and	e finan	
w	E BURN	л - Г -			1:7)	- Received by (Signature)	n	<u>[]-30;</u>	WZ		30	<u>)</u>	Rece	eived	l on ice:	1 N 1	2/1		in y			
HIM	Inn Ka	rker		30202 3	1	130 Andrew Husso		<u>]/.3</u>	<u>).2</u> 2	_	80	0	<u>T1</u>			<u>T2</u>		an an A		<u>T3</u>	<u>.</u>	
Andre	ed by: (Signature)	2		30.232	Un	S CHARTER (Signature)		1-11	23	Time	:31	-			np°c_∠	<u>}_</u>		si n				
the second second second second	rix: S - Soil, Sd - Soli					* *		Container														
Note: Sam	pies are discarded	30 days af	ter results	are reported un	less of	ther arrangements are made. Hazard with this COC. The liability of the labor	dous samp	ples will be	retur	ned to	clien	t or d	ispose	ed of	at the clie	nt exp	pense.	The	report	for the ana	lysis of the	above
samples 15	applicable only to	ciuse sam	ihies receiv		story \	vicit chils COC. The hability of the labor	ratory is li		ie am	iount p			ine re	ροπ.								<u> </u>
												A							<i>,</i> 1	r e	╮╇╭	
													2	•	e				/	rc) L (2 C
							Page	26 of 28	3										-			

Project li	nformation					Chain of Custod	y										Pag	e 2 of
Client: N	Aatador Produ	ction Co	mpany.		Bill To	D			Lab	Use C	Dnlv				T/	AT	EPA P	rogram
Project:	Rustler Breaks	s 2 Boost	er		Attention: Matador Pro	duction Company	Lab W	/O#	1.1	lol	b Num	ber	1D	2D	3D	Standard	CWA	SDWA
Project N	Aanager: Ashl	ey Giove	ngo		Address: on file]E ?	511	241	.12	305	2-000				x	1	
ddress:	3122 Nationa	al Parks H	lwy		City, State, Zip:							nd Metho		<u> </u>		•		RCRA
lity, Stat	e, Zip: Carlsba	ad NM, 8	8220		Phone: (337)319-8398			5										
hone:	575-988-0055				Email: clinton.talley@ma	atadorresources.con											State	
<u>imail: a</u>	giovengo@ens	olum.co	<u>m</u>					5			9		Σ			NM CC	UT AZ	TX
leport d	ue by:								802		30 M				ř	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TOH CBI	8015	BTEX by 8021 VPC hu 9260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
11:56	11/29/2023	Soil	1 Jar		FS38 - 4'	<i>∎</i> N							x					
10:45	11/29/2023	Soil	1 Jar		SW01 - 0-4'	12							x				<u> </u>	
11:47	11/29/2023	Soil	1 Jar		SW02 - 0-3'	13							x					
11:07	11/29/2023	Soil	1 Jar		SW05 - 0-4'	14				\top			x					
14:24	11/29/2023	Soil	1 Jar		SW06 - 0-4'	15		1					x					
																	······	
																	<u>.</u>	
Addition	al Instructions	: Please	e CC: cbu	rton@ensolun	n.com, agiovengo@ensolum.c	om, chamilton@ens	solum.	com	, ehafi	:@en	solum	.com		II		LI		
	pler), attest to the v of collection is con	-	•	-	aware that tampering with or intentiona action. <u>Sampled by:</u>		ocation,									ceived on ice the da less than 6 °C on sub	• • •	led or
Relinquish	ed by: (Signature)	tr,	Date /-	30-23 Time	Received by: (Signature)	all H-30	623	ime D	30	Re	ceived	l on ice:		b Us)/ N	e On	ly of actions		
Alinguish	ed by: (Signature)	aul		30703		Date So 1/.30	.23	ime /	200	T1			<u>T2</u>		i ta Agene	<u></u> <u>T3</u>	<u></u>	
Relinquish	ed by: (Signature)		Date	30.2324	Received by: (Signature)) Date	23	^{ime}	30	AV	'G Terr	np°c	Ł			· · ·		
	rix: S - Soil, Sd - Soli											c, ag - amb						
					ss other arrangements are made. Hory with this COC. The liability of the							at the clien	t expe	ense.	The re	eport for the an	alysis of the	above
										E	多	6		n	V	irc	\ t 2	
						Page 27 of 2	8			E	3	e)	n	V	irc	ote	9(

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	12/01/23	07:30	Work Order ID:	E311242
Phone:	(972) 371-5200	Date Logged In:	11/30/23	14:17	Logged In By:	Jordan Montano
Email:		Due Date:	12/07/23	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location matc	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssior		Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are		Yes			
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample t	emperature: 4º	C			
		emperature. <u>1</u>	<u>c</u>			
	Container aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containe	ers collected?	Yes			
Field La						
	e field sample labels filled out with the minimum infor	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		No			
	<u>Preservation</u>					
	s the COC or field labels indicate the samples were pre	eserved?	No			
	sample(s) correctly preserved?	atolo?	NA Na			
	b filteration required and/or requested for dissolved me	ətd18 (No			
-	nase Sample Matrix	0				
26. Does	s the sample have more than one phase, i.e., multiphase		No			
07.70	s, does the COC specify which phase(s) is to be analyz	zed?	NA			
27. If ye						
<u>Subcont</u>	tract Laboratory					
Subcont 28. Are	tract Laboratory_ samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA			

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E408045

Job Number: 23003-0002

Received: 8/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/12/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/12/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E408045 Date Received: 8/7/2024 5:45:29AM

Ashley Giovengo,



Page 213 of 351

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2024 5:45:29AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
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·		Sample Sum	mary				
Matador Resources, LLC.		Project Name:		oster	Reported:		
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Reporteu.		
Dallas TX, 75240		Project Manager:	Ashley Giovengo		08/12/24 09:37		
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
BH03-5.5'	E408045-01A	Solid	08/05/24	08/07/24	Glass Jar, 2 oz.		



		ampie D				
Matador Resources, LLC.	Project Name:	Rust	ler Breaks 2 B	ooster		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300)3-0002	Reported:		
Dallas TX, 75240	Project Manag	ger: Ash	ey Giovengo	8/12/2024 9:37:22AM		
		BH03-5.5'				
		E408045-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2432049
Benzene	ND	0.0250	1	08/07/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/07/24	
Toluene	ND	0.0250	1	08/07/24	08/07/24	
p-Xylene	ND	0.0250	1	08/07/24	08/07/24	
o,m-Xylene	ND	0.0500	1	08/07/24	08/07/24	
Fotal Xylenes	ND	0.0250	1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		114 %	70-130	08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130	08/07/24	08/07/24	
Surrogate: Toluene-d8		108 %	70-130	08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2432049
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		114 %	70-130	08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130	08/07/24	08/07/24	
Surrogate: Toluene-d8		108 %	70-130	08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2432044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/07/24	
Dil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/07/24	
Surrogate: n-Nonane		86.6 %	50-200	08/07/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2432048
Chloride	ND	200	10	08/07/24	08/07/24	

Sample Data


QC Summary Data

			1111111	ry Dat	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	istler Breaks 003-0002 shley Gioveng				8/	Reported: 12/2024 9:37:22AM
		Volatile Organic	Compo	unds by El	PA 8260E	3			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
-	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
			ing ing		70	70	70	70	Notes
Blank (2432049-BLK1)							Prepared: 0	8/07/24 Ana	lyzed: 08/07/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
			0.500		91.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457								
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
LCS (2432049-BS1)							Prepared: 0	8/07/24 Ana	lyzed: 08/07/24
Benzene	2.25	0.0250	2.50		89.9	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.0	70-130			
Toluene	2.45	0.0250	2.50		98.1	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.21	0.0500	5.00		104	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.582		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			
Matrix Spike (2432049-MS1)				Source:	E408044-(08	Prepared: 0	8/07/24 Ana	lyzed: 08/07/24
Benzene	2.33	0.0250	2.50	ND	93.2	48-131	1		
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.67	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.96	0.0250	7.50	ND	106	43-135			
	0.578	0.0200	0.500		116	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.578 0.464		0.500		92.8	70-130			
Surrogate: 1,2-Dichloroeinane-a4 Surrogate: Toluene-d8	0.404		0.500		92.8 107	70-130			
-				Same	E4000444	10	Droponad. 0	Q/07/24 A	luzad 08/07/24
Matrix Spike Dup (2432049-MSD1) Benzene	2.35	0.0250	2.50	ND Source:	E408044-0	48-131	0.897	23 23	lyzed: 08/07/24
Ethylbenzene	2.55	0.0250	2.50	ND	100	45-135	2.40	23 27	
•	2.51		2.50	ND	100	43-133	1.83	27	
Toluene	2.56	0.0250		ND		48-130	3.01	24 27	
o-Xylene		0.0250	2.50		110				
p,m-Xylene	5.45	0.0500	5.00	ND	109	43-135	2.80	27	
Total Xylenes	8.20	0.0250	7.50	ND	109	43-135	2.87	27	
	0 5 0 0		0.500		116	70-130			
Surrogate: Bromofluorobenzene	0.580								
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.380		0.500		94.1	70-130			



QC Summary Data

		QC SI		v					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Giovenge					Reported: 8/12/2024 9:37:22AM
	No	onhalogenated O	rganic	s by EPA 801	5D - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432049-BLK1)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
LCS (2432049-BS2)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.434		0.500		86.8	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			
Matrix Spike (2432049-MS2)				Source: I	E 408044- (08	Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130			
Surrogate: Bromofluorobenzene	0.581		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			
Matrix Spike Dup (2432049-MSD2)				Source: I	E 408044- (08	Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	0.506	20	
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		90.9	70-130			



QC Summary Data

		QC D		ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Giovengo					Reported: 8/12/2024 9:37:22AM
Danas IA, 75270		, ,							0,12,2021 9.37.22710
	Nonh	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432044-BLK1)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			
LCS (2432044-BS1)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			
Matrix Spike (2432044-MS1)				Source: E	408048-	01	Prepared: 0	8/07/24	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike Dup (2432044-MSD1)				Source: E	408048-	01	Prepared: 0	8/07/24	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	0.902	20	
Surrogate: n-Nonane	49.3		50.0		98.5	50-200			



QC Summary Data

		$\mathbf{x} \in \mathbf{z}$			~				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 8/12/2024 9:37:22AM
		Anions	by EPA	. 300.0/9056A	1				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2432048-BLK1)							Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride LCS (2432048-BS1)	ND	20.0					Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2432048-MS1)				Source:	E408048-	03	Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride	754	200	250	343	165	80-120			M1
Matrix Spike Dup (2432048-MSD1)				Source:	E408048-	03	Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride	636	200	250	343	117	80-120	17.0	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.



nd Notes			

Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 150	0 Project Number	r: 23003-0002	Reported:
Dallas TX, 75240	Project Manage	er: Ashley Giovengo	08/12/24 09:37

M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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



Chain of Custody

	Clier	nt Inform	nation			Invoice Information					Invoice Information Lab Use Only							TAT		State						
Client: N	latador Prod	uction Co	ompany		Co	mpany:	Ensol	um LLC			1	ab W	VO#			Job	Num	ber		1D 2	D 3D	Std	NN	1 CO	UT	TX
	Rustler Breal				Ad	dress: 3	3122 N	lational	Parks Hw	y		E4		04 4	5	23	3003-000Z X ×					_	x			
Project N	lanager: Asl	nley Giov	engo		Cit	y, State, Zip: Carlsbad NM, 88220																				
Address:	3122 Nation	nal Parks	Hwy		Phone: 575-988-							Γ				Ana	lysis	and	Met	hod			E	PA P	rogran	n
City, Stat	e, Zip: Carlsl	bad NM,	88220		En	nail: ag	gioven	go@en	solum.cor	n													SDWA	C	WA	RCRA
	75-988-005					cellanec																				
Email: a	giovengo@ei	nsolum.c	om										12	12									Complian	nce	Y	or N
													V 80	y 80.	-	_	0.0	5	×	als			PWSID #	1		
				Sample	Informati	on							g O P	d Ob	802	826(= 300	NN-	1- 50	Met						
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID			Field	Lat Num	b ber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Ren	narks			
12:40	8/5/2024	Sd	1		BH03 - 5.5'				1							x						Rush Chi	loride only			
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Addition	al Instructio	ns: Dlo	ase CC: d	burton@enso	lum com	agiove	ngo@o	ensolur	n.com ies	trella	@ens/	alum	com	h hd	eal@	Denc	olun	1.00	n ch	amilto	n@en	solur	n.com			-
	ns@ensolum			varion@ensu		, aBiover			incomy ics		e chist	- and		,	suie	113	Siuli		.,		een	Joint				
			dauthenticity	y of this sample. I a	am aware tha	at tamperin	ng with or	intention	ally mislabelin	ng the sa	mple loc	ation, d	date o	r time	of col	llection	n is co	nsidere	d frau	d and ma	y be gro	unds fo	r legal action	n.		
	Cole Burton	1.1.1.1.1.1.1.1					-																			
	ed by: (Signatu	re)	Date	Time		Received	d by: (Si	gnature)	0	Date			Time	~		1000							nust be receive			
2	RANDA	7	Ð,	16/24 7	7. 30	V V lic	helle	e Gi	sngale	8 8	62	4	07	130	F			subsen	d or re	ceived particular	1.000		vg temp above	e 0 but le	ess than 6	°C on
Relinquish	ed by: (Signatu		Date			Received	dby: (Si	gnature)	4	Pate	1-		Time -	1 .	-							A	se Only			
VVIce		ongal		-6:24 1	705	()	4.0	М.			.6.1		11	0	5			Rece	eived	on ice	e (YY	N			
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Relinquish	ed by: (Signatur	re)	Date	e Time	e	Receive	d by: (Si	ignature)		Date		T	Time					AVIC	Terr	- 00	4					
Comple 44	where called a	alid C- Ch	das A Arm			A				Cor	tainer	Type	· g . g	lace	n - n		nlasti	AVG	len	p C	S.V-V	0A	1			
	rix: S - Soil, Sd - S			leous, O - Other Its are reported t	unless otho	rarrangen	ments an	e made	Hazardous										clier	t exper	se The	report	for the an	alveic	of the a	hove
				ceived by the labo															. ciel	e exper	se. me	report	for the and	ury 315 (or ule d	Jure
	applicable only	to mose s	amples rec	cived by the labt	oratory with	i uns coc.	. The lidi	Sincy Of 1	ine inconato	13 111		ane an	nount	- paid	101 0	ai uie	repo							_		

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. D	ate Received:	08/07/24 0:	5:45		Work Order ID:	E408045
Phone:	(972) 371-5200 D	ate Logged In:	08/06/24 10	6:11		Logged In By:	Raina Schwanz
Email:		ue Date:	08/07/24 1	7:00 (0 day TAT)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location match	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes	_			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			<u>Commen</u>	ts/Resolution
Sample '	<u>Furn Around Time (TAT)</u>					. 1.011	
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Client rec	quested Chlori	de rushed.
Sample (<u>Cooler</u>						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample te	mperature: <u>4°</u>	<u>C</u>				
Sample	Container	-					
	queous VOC samples present?		No				
15. Are V	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was :	a trip blank (TB) included for VOC analyses?		NA				
18. Are r	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes				
<u>Field La</u>	<u>bel</u>						
	field sample labels filled out with the minimum inform	nation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes	•			
	Preservation		Yes				
-	the COC or field labels indicate the samples were pres	erved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved met	als?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphases	?	No				
	s, does the COC specify which phase(s) is to be analyze		NA				
27. If ves			117				
•	maat Labomatam;						
<u>Subcont</u>	ract Laboratory_)	Na				
Subcont 28. Are s	ract Laboratory amples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA	Subcontract Lab	NI A		

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E408046

Job Number: 23003-0002

Received: 8/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/12/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/12/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E408046 Date Received: 8/7/2024 5:45:29AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2024 5:45:29AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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·		Sample Sum	mary		0
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Bo	oster	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		08/12/24 09:39
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-4.5'	E408046-01A	Solid	08/05/24	08/07/24	Glass Jar, 2 oz.



		ampie D				
Matador Resources, LLC.	Project Name	e: Rust	ler Breaks 2 B	ooster		
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 2300	03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ey Giovengo	8/12/2024 9:39:04AM		
		BH03-4.5'				
		E408046-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2432049
Benzene	ND	0.0250	1	08/07/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/07/24	
Toluene	ND	0.0250	1	08/07/24	08/07/24	
p-Xylene	ND	0.0250	1	08/07/24	08/07/24	
o,m-Xylene	ND	0.0500	1	08/07/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		115 %	70-130	08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130	08/07/24	08/07/24	
Surrogate: Toluene-d8		109 %	70-130	08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2432049
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		115 %	70-130	08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130	08/07/24	08/07/24	
Surrogate: Toluene-d8		109 %	70-130	08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2432044
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/07/24	
Dil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/07/24	
Surrogate: n-Nonane		93.8 %	50-200	08/07/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2432048
Chloride	ND	200	10	08/07/24	08/07/24	

Sample Data



QC Summary Data

	Project Name: Project Number:	23	ustler Breaks 2 003-0002	2 Booster				Reported:
	-		003-0002					
	Ducient Memoren							
	Project Manager:	As	shley Gioveng	go			8/	/12/2024 9:39:04AM
	Volatile Organic	Compou	unds by El	PA 8260H	3			Analyst: IY
	Reporting	Spike	Source		Rec		RPD	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 08	8/07/24 Ana	alyzed: 08/07/24
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
0.588		0.500		118	70-130			
0.457		0.500		91.3	70-130			
0.539		0.500		108	70-130			
						Prepared: 08	8/07/24 Ana	alyzed: 08/07/24
2.25	0.0250	2.50		89.9	70-130			
2.40		2.50		96.0	70-130			
2.45		2.50		98.1	70-130			
2.63	0.0250	2.50		105	70-130			
5.21	0.0500	5.00		104	70-130			
7.85	0.0250	7.50		105	70-130			
0.582		0.500		116	70-130			
0.452		0.500		90.4	70-130			
0.544		0.500		109	70-130			
			Source:	E408044-()8	Prepared: 08	8/07/24 Ana	alyzed: 08/07/24
2.33	0.0250	2.50	ND	93.2	48-131			
2.45		2.50	ND	98.0	45-135			
2.52	0.0250	2.50	ND	101	48-130			
2.67	0.0250	2.50	ND	107	43-135			
5.30	0.0500	5.00	ND	106	43-135			
7.96	0.0250	7.50	ND	106	43-135			
0.578		0.500		116	70-130			
		0.500		92.8	70-130			
0.537		0.500		107	70-130			
			Source:	E408044-0)8	Prepared: 08	8/07/24 Ana	alyzed: 08/07/24
2.35	0.0250	2.50						
			ND	100		1.83	24	
2.75	0.0250	2.50	ND	110	43-135	3.01	27	
5.45	0.0500	5.00	ND	109	43-135	2.80	27	
8.20	0.0250	7.50	ND	109	43-135	2.87	27	
0.580		0.500		116	70-130			
0.471		0.500		94.1	70-130			
	ND ND ND ND ND 0.588 0.457 0.539 2.25 2.40 2.45 2.63 5.21 7.85 0.582 0.452 0.544 2.33 2.45 2.52 2.67 5.30 7.96 0.578 0.464 0.537 2.35 2.51 2.56 2.75 5.45 8.20	Result Limit mg/kg mg/kg ND 0.0250 0.588 0.457 0.539 0.0250 2.25 0.0250 2.40 0.0250 2.45 0.0250 2.45 0.0250 2.63 0.0250 0.582 0.452 0.544 0.530 2.35 0.0250 2.45 0.0250 2.52 0.0250 2.67 0.0250 2.50 0.578 0.464 0.537 0.578 0.0250 2.54 0.0250 2.55 0.0250 2.54 0.0250 2.55 0.0250 2.54 0.	Result mg/kg Limit mg/kg Level mg/kg ND 0.0250 0.538 0.500 0.539 0.500 2.25 0.0250 2.40 0.0250 2.45 0.0250 2.63 0.0250 2.63 0.0250 0.582 0.500 0.582 0.500 0.544 0.500 0.544 0.500 2.50 2.50 2.51 0.0250 2.52 0.0250 2.50 2.50 2.51 0.0250 2.52 0.0250 2.53 0.500 5.30 0.500 0.578 0.500 0.578 0.500 0.578 0.500	Result mg/kg Limit mg/kg Level mg/kg Result mg/kg ND 0.0250 mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 0.500 0.500 ND 0.0250 0.500 0.500 0.538 0.500 0.500 0.500 0.539 0.500 2.50 2.50 2.45 0.0250 2.50 2.50 2.63 0.0250 2.50 2.50 5.21 0.0500 5.00 7.50 0.582 0.500 0.500 0.500 0.544 0.500 2.50 ND 2.45 0.0250 2.50 ND 2.52 0.0250 2.50 ND 2.45 0.0250 2.50 ND 2.52 0.0250 2.50 ND 2.53 0.0250 <td< td=""><td>Result Limit mg/kg Level mg/kg Result mg/kg Rec mg/kg Rec mg/kg</td><td>Result mg/kg Limit mg/kg Level mg/kg Result mg/kg Rec Limits Limits ND 0.0250 mg/kg mg/kg mg/kg % % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 118 70-130 0.4588 0.500 91.3 70-130 0.539 0.500 108 70-130 0.457 0.500 2.50 89.9 70-130 70-130 2.40 0.0250 2.50 96.0 70-130 2.43 0.0250 2.50 98.1 70-130 2.44 0.0250 2.50 98.1 70-130 2.45 0.0250 2.50 98.1 70-130 2.63 0.0250 7.50 105 70-130 0.582 0.500 104 70-130 70-130 0.544 0.0250 2.50 ND 98.4 48-131 2.45 0.0250 2.5</td><td>Result mg/kg Limit mg/kg Limit mg/kg Level mg/kg Result mg/kg Rec mg/kg Limits % RPD % ND 0.0250 </td><td>Result mg/kg Limit mg/kg Level mg/kg Result mg/kg Rec mg/kg Limit % RPD Limit Limit % ND 0.0250 Prepared: 08/07/24 An ND 0.0250 Prepared: 08/07/24 An ND 0.0250 Prepared: 08/07/24 An 0.050 0.0250 Prepared: 08/07/24 An 0.437 0.500 91.3 70-130 Prepared: 08/07/24 An 2.25 0.0250 2.50 98.9 70-130 Prepared: 08/07/24 An 2.40 0.0250 2.50 98.1 70-130 Prepared: 08/07/24 An 2.43 0.0250 2.50 98.1 70-130 Prepared: 08/07/24 An 0.452 0.0500 105 70-130 Prepared: 08/07/24 An 0.452 0.0500 104 70-130 Prepared: 08/07/24 An 0.454 0.0500 ND <t< td=""></t<></td></td<>	Result Limit mg/kg Level mg/kg Result mg/kg Rec mg/kg Rec mg/kg	Result mg/kg Limit mg/kg Level mg/kg Result mg/kg Rec Limits Limits ND 0.0250 mg/kg mg/kg mg/kg % % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 118 70-130 0.4588 0.500 91.3 70-130 0.539 0.500 108 70-130 0.457 0.500 2.50 89.9 70-130 70-130 2.40 0.0250 2.50 96.0 70-130 2.43 0.0250 2.50 98.1 70-130 2.44 0.0250 2.50 98.1 70-130 2.45 0.0250 2.50 98.1 70-130 2.63 0.0250 7.50 105 70-130 0.582 0.500 104 70-130 70-130 0.544 0.0250 2.50 ND 98.4 48-131 2.45 0.0250 2.5	Result mg/kg Limit mg/kg Limit mg/kg Level mg/kg Result mg/kg Rec mg/kg Limits % RPD % ND 0.0250	Result mg/kg Limit mg/kg Level mg/kg Result mg/kg Rec mg/kg Limit % RPD Limit Limit % ND 0.0250 Prepared: 08/07/24 An ND 0.0250 Prepared: 08/07/24 An ND 0.0250 Prepared: 08/07/24 An 0.050 0.0250 Prepared: 08/07/24 An 0.437 0.500 91.3 70-130 Prepared: 08/07/24 An 2.25 0.0250 2.50 98.9 70-130 Prepared: 08/07/24 An 2.40 0.0250 2.50 98.1 70-130 Prepared: 08/07/24 An 2.43 0.0250 2.50 98.1 70-130 Prepared: 08/07/24 An 0.452 0.0500 105 70-130 Prepared: 08/07/24 An 0.452 0.0500 104 70-130 Prepared: 08/07/24 An 0.454 0.0500 ND <t< td=""></t<>



QC Summary Data

		QC S		ary Data	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 8/12/2024 9:39:04AM
	N	s by EPA 801	15D - GF	RO			Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432049-BLK1)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
LCS (2432049-BS2)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.434		0.500		86.8	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			
Matrix Spike (2432049-MS2)				Source:	E408044-0	8	Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130			
Surrogate: Bromofluorobenzene	0.581		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			
Matrix Spike Dup (2432049-MSD2)				Source:	E408044-0	8	Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	0.506	20	
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		90.9	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

QC Summary Data

		QU N		ary Data	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	2	Rustler Breaks 2 23003-0002					Reported:
Dallas TX, 75240		Project Manager:	1	Ashley Gioveng	0				8/12/2024 9:39:04AM
	Nonha	alogenated Org	anics by	y EPA 8015E) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432044-BLK1)							Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			
LCS (2432044-BS1)							Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			
Matrix Spike (2432044-MS1)				Source:	E408048-	01	Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike Dup (2432044-MSD1)				Source:	E408048-	01	Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	0.902	20	
Surrogate: n-Nonane	49.3		50.0		98.5	50-200			



QC Summary Data

		$\mathbf{x} = \mathbf{z}$							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manager	:	Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 8/12/2024 9:39:04 <i>A</i>
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432048-BLK1)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Chloride	ND	20.0							
LCS (2432048-BS1)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2432048-MS1)				Source:	E408048-0	03	Prepared: 0	8/07/24	Analyzed: 08/07/24
Chloride	754	200	250	343	165	80-120			M1
Matrix Spike Dup (2432048-MSD1)				Source:	E408048-(03	Prepared: 0	8/07/24	Analyzed: 08/07/24
Chloride	636	200	250	343	117	80-120	17.0	20	
Chloride	636	200	250	343	117	80-120	17.0		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.



_		Demitions		
ſ	Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/12/24 09:39

M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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



Chain of Custody

Page _____ of ____

Received by OCD: 12/11/2024 12:00:41 AM

	Clier	nt Inform	ation				Invoice Information					L	ab Us	se On	ly				TAT		State			
Client: N	Aatador Prod	uction Co	mpany		Cc	mpany:	Ensol	lum LLC				b WO		1		Num			1D 21) 3D	Std	Std NM CO UT TX		
Project:	Rustler Brea	ks 2 Boos	ter		Ac	ddress: 3	3122 N	lationa	Parks Hw	y	E	401	804	16	23	00	3-0			_	х	x		
and the state of the	Manager: Ash		The second second						1 NM, 882	20		-			-									
	3122 Nation				Ph	one: 5	75-988	8-0055							Ana	lysis	and	Met	nod				A Progr	-
	e, Zip: Carls		88220		Er	mail: ag	gioven	go@en	solum.com	n											1	SDWA	CWA	RCRA
	575-988-005				Mi	scellaneo	ous:				1										_		-	
Email: a	giovengo@ei	nsolum.co	om							_		015	015						_			omplian	ce Y	or N
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample	ID			Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remark	5
11:20	8/5/2024	Sd	1			BH03 - 4	4.5'				1						x					,	lush Chloride c	nly
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Addition	al Instructio	ns: Plea	se CC: ct	ourton@en	solum.com	, agiove	ngo@e	ensolur	n.com, ies	trella	@ensol	um.co	om, b	deal	@ens	olun	n.con	n, ch	milto	ens	olum.	com,		
simmo	ns@ensolum	.com																						
	pler), attest to the		authenticity	y of this sample.	I am aware th	at tamperin	ng with or	r intention	ally mislabelir	g the sa	mple locat	ion, dat	e or tin	ne of co	ollection	n is co	nsidere	d frau	and may	be groun	nds for le	egal action.		
sampled by	Cole Burton		_			_	_				_			_		_								
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Sample Mat	rix: S - Soil, Sd - S	olid Se - Shu	re A - Anue	eous O - Other		-				Con	tainer T	/pe: g	- glas	s. p - 1	poly/r					. v - VO	A			
	ples are discard				d unless othe	er arrangen	ments ar	re made.	Hazardous								1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	clien	texpens	e. The re	eport fo	or the ana	lysis of th	e above
	applicable only																						,	te
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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	08/07/24 05:	45		Work Order ID:	E408046
Phone:	(972) 371-5200 Da	te Logged In:	08/06/24 16:	13		Logged In By:	Raina Schwanz
Email:		ie Date:	08/07/24 17:	:00 (0 day TAT)			
Chain of	f Custody (COC)						
1. Does t	the sample ID match the COC?		Yes				
2. Does t	the number of samples per sampling site location match	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes	_		Commen	ts/Resolution
<u>Sample '</u>	<u>Turn Around Time (TAT)</u>				C1		
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Client rec	quested Chlori	ide rushed.
Sample (Cooler						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample ten	operature: 4°	Ċ				
	Container		<u> </u>				
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers	collected?	Yes				
Field La	bel						
	field sample labels filled out with the minimum information	ation:					
S	Sample ID?		Yes				
	Date/Time Collected?		Yes	L			
	Collectors name?		Yes				
	Preservation		N				
	the COC or field labels indicate the samples were prese	rvea?	No				
	sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	169	NA Na				
	• •	15 (No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase?	10	No				
	s, does the COC specify which phase(s) is to be analyzed	1/	NA				
	ract Laboratory						
28. Are s	samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so		NA S				

C

Date

envirotech Inc.

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E408048

Job Number: 23003-0002

Received: 8/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/12/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/12/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E408048 Date Received: 8/7/2024 5:45:29AM

Ashley Giovengo,



Page 237 of 351

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2024 5:45:29AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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		Sample Sum	mai y		
Matador Resources, LLC.		Project Name: Rustler Breaks 2 Booster			Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Reporteu.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		08/12/24 09:38
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS11 - 4.5'	E408048-01A	Soil	08/05/24	08/07/24	Glass Jar, 2 oz.
FS27 - 4.5'	E408048-02A	Soil	08/05/24	08/07/24	Glass Jar, 2 oz.
FS28 - 4.5'	E408048-03A	Soil	08/05/24	08/07/24	Glass Jar, 2 oz.
FS37 - 4.5'	E408048-04A	Soil	08/05/24	08/07/24	Glass Jar, 2 oz.



		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	tler Breaks 2 03-0002 ley Gioveng		r		Reported: 8/12/2024 9:38:07AM
		FS11 - 4.5'					
	-	E408048-01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2432049
Benzene	ND	0.0250	1	l	08/07/24	08/07/24	
Ethylbenzene	ND	0.0250	1	l	08/07/24	08/07/24	
Foluene	ND	0.0250	1	l	08/07/24	08/07/24	
p-Xylene	ND	0.0250	1	l	08/07/24	08/07/24	
p,m-Xylene	ND	0.0500	1	l	08/07/24	08/07/24	
Total Xylenes	ND	0.0250	1	l	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		108 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: I	Y		Batch: 2432049
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		108 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 1	NV		Batch: 2432044
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/07/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/07/24	08/07/24	
Surrogate: n-Nonane		96.9 %	50-200		08/07/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	DT		Batch: 2432048
Chloride	170	100	5	5	08/07/24	08/07/24	

Sample Data



Sample Data

		imple D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	ler Breaks)3-0002 ley Gioven		er		Reported: 8/12/2024 9:38:07AM
		FS27 - 4.5'					
	-	E408048-02					
		Reporting					
Analyte	Result	Limit	Dilt	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2432049
Benzene	ND	0.0250		1	08/07/24	08/07/24	
Ethylbenzene	ND	0.0250		1	08/07/24	08/07/24	
Toluene	ND	0.0250		1	08/07/24	08/07/24	
p-Xylene	ND	0.0250		1	08/07/24	08/07/24	
o,m-Xylene	ND	0.0500		1	08/07/24	08/07/24	
Total Xylenes	ND	0.0250		1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		110 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2432049
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		110 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2432044
Diesel Range Organics (C10-C28)	ND	25.0		1	08/07/24	08/07/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/07/24	08/07/24	
Surrogate: n-Nonane		88.8 %	50-200		08/07/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2432048
Chloride	352	200	1	0	08/07/24	08/07/24	



Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ler Breaks)3-0002 ley Giover		ter		Reported: 8/12/2024 9:38:07AM
]	FS28 - 4.5'					
]	E408048-03					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B			: IY		Batch: 2432049		
Benzene	ND	0.0250		1	08/07/24	08/07/24	
Ethylbenzene	ND	0.0250		1	08/07/24	08/07/24	
Toluene	ND	0.0250		1	08/07/24	08/07/24	
p-Xylene	ND	0.0250		1	08/07/24	08/07/24	
o,m-Xylene	ND	0.0500		1	08/07/24	08/07/24	
Total Xylenes	ND	0.0250		1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		113 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		88.4 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		109 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2432049
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		113 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		88.4 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		109 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2432044
Diesel Range Organics (C10-C28)	ND	25.0		1	08/07/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/07/24	08/07/24	
Surrogate: n-Nonane		92.7 %	50-200		08/07/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2432048
Chloride	343	200		10	08/07/24	08/07/24	



Sample Data

		ampie D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ler Breaks)3-0002 ley Gioveng		r		Reported: 8/12/2024 9:38:07AM
		FS37 - 4.5'					
		E408048-04					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2432049
Benzene	ND	0.0250	:	1	08/07/24	08/07/24	
Ethylbenzene	ND	0.0250		1	08/07/24	08/07/24	
Toluene	ND	0.0250		1	08/07/24	08/07/24	
p-Xylene	ND	0.0250		1	08/07/24	08/07/24	
o,m-Xylene	ND	0.0500		1	08/07/24	08/07/24	
Total Xylenes	ND	0.0250		1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		113 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		107 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2432049
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/07/24	08/07/24	
Surrogate: Bromofluorobenzene		113 %	70-130		08/07/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		08/07/24	08/07/24	
Surrogate: Toluene-d8		107 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	JV		Batch: 2432044
Diesel Range Organics (C10-C28)	ND	25.0		1	08/07/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/07/24	08/07/24	
Surrogate: n-Nonane		97.3 %	50-200		08/07/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	DT		Batch: 2432048
Chloride	ND	200	1	0	08/07/24	08/07/24	



QC Summary Data

		yc si	1111111	ITY Data	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 2 003-0002 shley Gioveng				8/	Reported: 12/2024 9:38:07AM
		Volatile Organic	Compo	unds by El	PA 8260E	3			Analyst: IY
Analyte	Degult	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432049-BLK1)							Prepared: 0	8/07/24 Ana	lyzed: 08/07/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
	0.333		0.500		91.3	70-130			
Surrogate: 1,2-Dichloroethane-d4									
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
LCS (2432049-BS1)							Prepared: 0	8/07/24 Ana	lyzed: 08/07/24
Benzene	2.25	0.0250	2.50		89.9	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.0	70-130			
Toluene	2.45	0.0250	2.50		98.1	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.21	0.0500	5.00		104	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.582		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			
Matrix Spike (2432049-MS1)				Source:	E408044-(08	Prepared: 0	8/07/24 Ana	lyzed: 08/07/24
Benzene	2.33	0.0250	2.50	ND	93.2	48-131			
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.67	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.96	0.0250	7.50	ND	106	43-135			
Surrogate: Bromofluorobenzene	0.578		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.378		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			
Matrix Spike Dup (2432049-MSD1)				Source	E408044-(18	Prepared 0	8/07/24 Ana	lyzed: 08/07/24
	2.35	0.0250	2.50	ND	94.0	48-131	0.897	23	25200. 00101124
Benzene	2.55	0.0250 0.0250	2.50	ND	94.0 100	48-131 45-135	2.40	23 27	
Ethylbenzene	2.51		2.50	ND	100	45-135 48-130	1.83	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	3.01	24 27	
o-Xylene		0.0250							
p,m-Xylene	5.45	0.0500	5.00	ND	109	43-135	2.80	27 27	
Total Xylenes	8.20	0.0250	7.50	ND	109	43-135	2.87	27	
Construction Description of the construction o	0.580		0.500		116	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.471		0.500 0.500		94.1	70-130 70-130			



QC Summary Data

		QC BI	umm	aly Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Rustler Breaks 2 23003-0002 Ashley Giovengo					Reported: 8/12/2024 9:38:07AM
	N	onhalogenated O	rganics	s by EPA 801	5D - GR	20			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432049-BLK1)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
LCS (2432049-BS2)							Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.434		0.500		86.8	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			
Matrix Spike (2432049-MS2)				Source: I	E 408044- 0	8	Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130			
Surrogate: Bromofluorobenzene	0.581		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			
Matrix Spike Dup (2432049-MSD2)				Source: I	E 408044- 0	8	Prepared: 0	8/07/24	Analyzed: 08/07/24
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	0.506	20	
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		90.9	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

QC Summary Data

			•	J					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 8/12/2024 9:38:07AM
	Nonh	alogenated Org	ganics b	y EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2432044-BLK1)							Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			
LCS (2432044-BS1)							Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			
Matrix Spike (2432044-MS1)				Source:	E408048-	01	Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike Dup (2432044-MSD1)				Source:	E408048-	01	Prepared: 0	8/07/24 A	Analyzed: 08/07/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	0.902	20	
Surrogate: n-Nonane	49.3		50.0		98.5	50-200			



QC Summary Data

		QU N	u	ary Dat					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 8/12/2024 9:38:07AM
		Anions	by EPA	300.0/9056A	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432048-BLK1)							Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride	ND	20.0							
LCS (2432048-BS1)							Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2432048-MS1)				Source:	E408048-0	03	Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride	754	200	250	343	165	80-120			M1
Matrix Spike Dup (2432048-MSD1)				Source:	E408048-0	03	Prepared: 0	8/07/24 A	analyzed: 08/07/24
Chloride	636	200	250	343	117	80-120	17.0	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.



ustler Breaks 2 Booster
3003-0002 Reported:
Ashley Giovengo 08/12/24 09:38
3

M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

			ation				Invoi	pice Info	rmation				La	b Us	e On	ly				TAT	-		Sta	te										
	atador Prod	uction Co	mpany			Company: Ensolum LLC					Lab WO# Job Num						ber		1D 2	D 3D St	d	NM	CO U	TX										
	ustler Breal	ks 2 Boos	ter		Address: 3122 Natio				Address: 3122 National Parks Hwy					Address: 3122 National Parks Hv					Address: 3122 National Parks Hwy					E408048 2300						x		x		
roject Ma	anager: Ash	ley Giove	engo			ity, State	e, Zip: (Carlsba	d NM, 882	20									11.2															
ddress: 3	3122 Nation	nal Parks	Hwy		P	hone:	575-988	8-0055	-		_		_		Ana	lysis	and	Met	bor				A Prog											
	Zip: Carlst		88220			Email: a	agioven	ngo@en	solum.com	n											SD	WA	CWA	RCR										
	5-988-0055		_			liscellane	eous:														1	-	_											
mail: agic	ovengo@er	nsolum.co	om							-		115	8015				-					plianc	e Y	or										
												oy 80	oy 8C	21	0	0.0	X	X	tals		PW	SID #												
				Samp	ole Informa	tion	_			-		0KO	RO	v 80	y 826	le 30	z .	- 500	Me															
Sampled	Date Sampled	Matrix	No. of Containers			Sampl				Field	Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remark	S										
9:53	8/5/2024	S	1			FS11 -	4.5'				1						x					R	ush Chloride	only										
13:12	8/5/2024	S	1			FS27 -		2						x					R	ush Chloride	only													
13:14	8/5/2024	S	1			FS28 - 4.5'					3						x					R	ush Chloride	only										
14:30	8/5/2024	S	1		FS37 - 4.5'						4						x					R	ush Chloride	only										
					_																													
			_									-	-								_													
										4																								
	I Instructio		se CC: cb	ourton@e	nsolum.co	m, agiov	engo@	ensolu	m.com, ies	trella	@ensolu	m.co	m, bc	deal@	@ens	olun	n.com	n, ch	amilto	n@ensolu	im.coi	m,												
	er), attest to the		authenticity	of this sample	e. I am aware	that tamper	ring with o	or intentior	nally mislabelin	ng the sa	mple locatio	n, date	or time	e of co	llection	n is co	nsidere	d frau	d and ma	y be grounds	for legal	action.												
	_Cole Burton		1		-	1.0	.0 .04			16.10	_	ler.		-	-		10.1																	
W	rby: (Signatur	P	Bate	16/24	7:30	-	0		ongale	8 8	6.24	Time	730	>						al preservation ked in ice at an	avg temp	above 0												
Wich	by: (Signatur	ongalt	Date 8	6.24	Time 1705	Receiv	. H.	Signature)			6.24	Time	70	5			Rece	ived	on ice		Use O N	nly												
elinquisted	by: (Signatur	e) *	Date	.6.24	1330	Receiv	ved by: (S	Signature)	Hall	Date 8.	7-24	Time	54	5			<u>T1</u>			<u>T2</u>		_	<u>T3</u>											
elinquished	d by: (Signatur	e)	Date		Time	Receiv	ved by: (S	Signature)	Date		Time					AVG	Tem	p°C	4														
ample Matrix:	c: S - Soil, Sd - So	olid, Sg - Sluc	dge, A - Aque	ous, O - Othe	er					Con	tainer Ty	pe:g-	glass	, p - p	poly/	plasti		amb	er glas	s, v - VOA		_												
	es are discard					ner arrange	ements a	are made.	Hazardous s	amples	will be ret	urned	to clie	nt or	dispos	sed of	at the	clien	t expens	n N	ort for th	ne anal	ysis of th	e above										

Page

of

Received by OCD: 12/11/2024 12:00:41 AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	08/07/24 0	5:45	Work Order ID: E408048
Phone:	(972) 371-5200 Da	te Logged In:	08/06/24 1	6:19	Logged In By: Noe Soto
Email:	agiovngo@ensolum.com Du	e Date:	08/07/24 1	7:00 (0 day TAT)	
Chain c	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match t	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was t	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did t	he COC indicate standard TAT, or Expedited TAT?		Yes		Client requested to have Chloride rushed
Sample	Cooler				only.
7. Was a	a sample cooler received?		Yes		
8. If yes	, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Wer	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec		Yes		
12 16	minutes of sampling	40			
	visible ice, record the temperature. Actual sample tem	iperature: <u>4</u> -	<u> </u>		
	<u>Container</u>				
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA NA		
	e head space less than 6-8 mm (pea sized or less)?				
	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		NA Vac		
	e appropriate volume/weight or number of sample containers	collected?	Yes Yes		
Field La		conceteur	105		
	e field sample labels filled out with the minimum information of the minimu	ation			
	Sample ID?	*******	Yes		
	Date/Time Collected?		Yes	l	
	Collectors name?		No		
	Preservation				
	s the COC or field labels indicate the samples were present	rved?	No		
	sample(s) correctly preserved?		NA		
24. Is la	b filteration required and/or requested for dissolved meta	ls?	No		
	nase Sample Matrix				
	s the sample have more than one phase, i.e., multiphase?		No		
27. If ye	es, does the COC specify which phase(s) is to be analyzed	1?	NA		
<u>Subcon</u>	tract Laboratory				
28. Are	samples required to get sent to a subcontract laboratory?		No		

C

envirotech Inc.

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

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E408066

Job Number: 23003-0002

Received: 8/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/13/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/13/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E408066 Date Received: 8/8/2024 8:30:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2024 8:30:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com
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Sample Summary

		Sample Sum	mai y		
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Bo	ooster	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Reported.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		08/13/24 08:42
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS35-5'	E408066-01A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
FS36-6.5'	E408066-02A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
FS38-6'	E408066-03A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW07 - 0-6'	E408066-04A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.



	~	ampic D				
Matador Resources, LLC.	Project Name	: Rust	ler Breaks 2 Bo	oster		
5400 LBJ Freeway, Suite 1500	Project Numb	per: 2300	03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash		8/13/2024 8:42:03AM		
		FS35-5'				
		E408066-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
o,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		95.7 %	70-130	08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	08/08/24	08/09/24	
Surrogate: Toluene-d8		104 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		95.7 %	70-130	08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	08/08/24	08/09/24	
urrogate: Toluene-d8		104 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	Analy	yst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Dil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
Surrogate: n-Nonane		97.6 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2432095
Chloride	ND	200	10	08/08/24	08/08/24	

Sample Data



Sample Data

	D	ample D	uu				
Matador Resources, LLC.	Project Name		ler Breaks	2 Boost	er		
5400 LBJ Freeway, Suite 1500	Project Numl		03-0002				Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Gioven	igo			8/13/2024 8:42:03AM
		FS36-6.5'					
		E408066-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2432090
Benzene	ND	0.0250		1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250		1	08/08/24	08/09/24	
Toluene	ND	0.0250		1	08/08/24	08/09/24	
p-Xylene	ND	0.0250		1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500		1	08/08/24	08/09/24	
Fotal Xylenes	ND	0.0250		1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/08/24	08/09/24	
Surrogate: Toluene-d8		106 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		98.4 %	70-130		08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		08/08/24	08/09/24	
Surrogate: Toluene-d8		106 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0		1	08/07/24	08/09/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/07/24	08/09/24	
Surrogate: n-Nonane		96.1 %	50-200		08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2432095
Chloride	262	200		10	08/08/24	08/08/24	



Sample Data

	D	ample D				
Matador Resources, LLC.	Project Name		ler Breaks 2	Booster		_
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Gioveng	0		8/13/2024 8:42:03AM
		FS38-6'				
		E408066-03				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
p-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130	08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	08/08/24	08/09/24	
Surrogate: Toluene-d8		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130	08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	08/08/24	08/09/24	
Surrogate: Toluene-d8		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	A	analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
Surrogate: n-Nonane		98.1 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2432095
Chloride	332	200	10	08/08/24	08/08/24	



Sample Data

		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ler Breaks)3-0002 ley Gioven		er		Reported: 8/13/2024 8:42:03AM
	S	SW07 - 0-6'					
		E408066-04					
	D L	Reporting	51		D		
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2432090
Benzene	ND	0.0250		1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250		1	08/08/24	08/09/24	
Toluene	ND	0.0250		1	08/08/24	08/09/24	
-Xylene	ND	0.0250		1	08/08/24	08/09/24	
,m-Xylene	ND	0.0500		1	08/08/24	08/09/24	
Fotal Xylenes	ND	0.0250		1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/08/24	08/09/24	
Surrogate: Toluene-d8		106 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/24	08/09/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		08/08/24	08/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/08/24	08/09/24	
Surrogate: Toluene-d8		106 %	70-130		08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0		1	08/07/24	08/09/24	
Dil Range Organics (C28-C36)	ND	50.0		1	08/07/24	08/09/24	
urrogate: n-Nonane		107 %	50-200		08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2432095
Chloride	ND	100		5	08/08/24	08/08/24	



QC Summary Data

				iry Dat	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 8003-0002 shley Gioveng				8/	Reported: 13/2024 8:42:03AM
		Volatile Organic	Compo	unds by El	PA 8260B	;			Analyst: IY
A v = l = d =		Reporting	Spike	Source		Rec		RPD	-
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432090-BLK1)							Prepared: 0	8/08/24 Ana	lyzed: 08/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2432090-BS1)							Prepared: 0	8/08/24 Ana	lyzed: 08/09/24
Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.66	0.0250	2.50		106	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.19	0.0500	5.00		104	70-130			
Total Xylenes	7.76	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike (2432090-MS1)				Source:	E408061-0	1	Prepared: 0	8/08/24 Ana	lyzed: 08/09/24
Benzene	2.40	0.0250	2.50	ND	95.9	48-131			
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.8	43-135			
p,m-Xylene	4.77	0.0500	5.00	ND	95.3	43-135			
Total Xylenes	7.14	0.0250	7.50	ND	95.2	43-135			
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
Matrix Spike Dup (2432090-MSD1)				Source:	E408061-0	1	Prepared: 0	8/08/24 Ana	lyzed: 08/09/24
Benzene	2.32	0.0250	2.50	ND	93.0	48-131	3.13	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135	4.74	27	
Toluene	2.45	0.0250	2.50	ND	98.1	48-130	3.62	24	
o-Xylene	2.31	0.0250	2.50	ND	92.2	43-135	2.78	27	
p,m-Xylene	4.63	0.0500	5.00	ND	92.6	43-135	2.87	27	
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135	2.84	27	
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



OC Summary Data

		X U N		ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Rustler Breaks 2 23003-0002 Ashley Giovengo					Reported: 8/13/2024 8:42:03AM
	N	onhalogenated O	rganics	s by EPA 801	5D - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432090-BLK1)							Prepared: 0	8/08/24 <i>A</i>	Analyzed: 08/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2432090-BS2)							Prepared: 0	8/08/24 A	Analyzed: 08/09/24
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			
Matrix Spike (2432090-MS2)				Source: I	E 408061- ()1	Prepared: 0	8/08/24 A	Analyzed: 08/09/24
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
Matrix Spike Dup (2432090-MSD2)				Source: I	E 408061- ()1	Prepared: 0	8/08/24 A	Analyzed: 08/09/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	3.18	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			



QC Summary Data

		$\mathbf{x} \in \mathbf{v}$			-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 8/13/2024 8:42:03AM
	Nonh	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432073-BLK1)							Prepared: 0	08/07/24 <i>A</i>	Analyzed: 08/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			
LCS (2432073-BS1)							Prepared: 0	8/07/24 A	Analyzed: 08/08/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.7	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			
Matrix Spike (2432073-MS1)				Source:	E408061-	07	Prepared: 0	08/07/24 A	Analyzed: 08/08/24
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			
Matrix Spike Dup (2432073-MSD1)				Source:	E408061-	07	Prepared: 0	8/07/24 A	Analyzed: 08/08/24
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.7	38-132	0.254	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			



QC Summary Data

		•		v					
Matador Resources, LLC.		Project Name:			Reported:				
5400 LBJ Freeway, Suite 1500		Project Number:	2	23003-0002					
Dallas TX, 75240		Project Manager:	I	Ashley Gioveng	go				8/13/2024 8:42:03AM
		Anions	by EPA	300.0/9056 A	A Contraction				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432095-BLK1)							Prepared: 0	8/08/24	Analyzed: 08/08/24
Chloride	ND	20.0							
LCS (2432095-BS1)							Prepared: 0	8/08/24	Analyzed: 08/08/24
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2432095-MS1)				Source:	E408066-(2	Prepared: 0	8/08/24	Analyzed: 08/08/24
Chloride	460	200	250	262	79.4	80-120			M2
Matrix Spike Dup (2432095-MSD1)				Source:	E408066-(2	Prepared: 0	8/08/24	Analyzed: 08/08/24
Chloride	494	200	250	262	93.1	80-120	7.17	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.



	Demition		
Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/13/24 08:42

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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



Chain of Custody

	Clier	nt Inform	ation			Invoice Information Lab Use O															
Client: N	latador Prod	uction Co	ompany			ompany: Er			La	b WO	#		Job	Num	ber		1D 2D	3D Sto	NN	CO UT	TX
Project:	Rustler Breal	ks 2 Boos	ster		<u>A</u>	ddress: 312	2 National Parks Hwy		E	408	06	6	23	003	-00	02	X	x	×		
	lanager: Ash						: Carlsbad NM, 8822	0		-											
	3122 Nation				Ph	one: 575-	988-0055						Ana	lysis	and	Meth	od		E	PA Program	n
City, Stat	e, Zip: Carls	bad NM,	88220	_	E	mail: agiov	vengo@ensolum.com												SDWA	CWA	RCRA
Phone:	75-988-005	5			Mi	scellaneous:	:														
Email: a	giovengo@er	nsolum.c	om							15	15								Compliar	nce Y	or N
										y 80	y 8015	-		0.0	5	×	als		PWSID #		
				Sam	ple Informat	ion				30 b	30 b	802	826	e 30(NN-	05 -1	Met				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks	
11:10	8/6/2024	S	1			FS35 - 5'			1						x					Rush Chloride only	
10:44	8/6/2024	S	1		FS36 - 6.5'				2	1					x					Rush Chloride only	
8:38	8/6/2024	S	1		FS38 - 6'				3						x					Rush Chloride only	
8:58	8/6/2024	S	1			SW07 - 0-6'			4						x					Rush Chloride only	
Addition	al Instruction	ns: Plea	ase CC: c	burton@e	ensolum.com	i, agiovengo	@ensolum.com, iestr	rella@	Pensol	im.co	m, bo	deal@	Dens	olum	.con	, cha	milton	@ensolu	n.com,		
	ns@ensolum								<u> </u>		-			_	-						
		validity and	authenticit	y of this samp	ole. I am aware th	at tampering wit	th or intentionally mislabeling t	the sar	nple locati	on, date	or tim	e of co	lection	n is cor	sidere	d fraud	and may	be grounds fo	or legal action		
	Cole Burton		10.1		1-	In	101 · · · ·	1		1=		_	-		e					1	
Relinquish	d by: (Signatur	re)	Date		Time	Received by	elle Gonzales	Date	7.14	Time	573	0								d on ice the day 0 but less than 6	and a state of the
Polinquich	ed by: (Signatur		Date		Time	Received by	(Similar Congrides	Date	7-24	Time		0				ient day					
	elle Go			57.24	1550	1 1	2 7 4	8-	7-24	CONTRACTOR OF	10								se Only		
	ed by: (Signatur		Date		Time	Received by		Date	1-24	Time	-			4	кесе	ivea	on ice:	()	V		
Reiniguisi	Ju by. (Signatur	e) -		8-24	0012	<	(Signature)	8	8-24	05	330	>			T 1			-		72	
Relinquich	ed by: (Signatur		Date		Time	Received by	: (Signature)	Date	~ ~	Time		-			11			12		<u>T3</u>	
Reiniquisii	eu by. (Signatur	e)	Date		Time	Received by	(Signature)	Date		Time					AVG	Tem	o°c I	1			
Sample Mat	rix: S - Soil, Sd - So	olid, Sg - Slue	dge, A - Aqu	eous, O - Oth	er	1		Cont	ainer Ty	pe:g-	glass	, p - p	ooly/p			amb	er glass	V-VOA	1		
Note: Sam	oles are discard	ed 14 days	after resu	Its are repor	rted unless othe	er arrangement	ts are made. Hazardous san	nples	will be re	turned	to clie	ent or	dispos	ed of	at the	client	expense	. The report	for the ana	ilysis of the a	bove
and the second states of the	applicable only	to those sa	amples rec	eived by the	e laboratory with	h this COC. The	e liability of the laboratory	is limi	ted to the	amou	nt pair	d for c	on the	repor	t.						

Page ____

of

Received by OCD: 12/11/2024 12:00:41 AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	ate Received:	08/08/24 00:	00		Work Order ID:	E408066
Phone:	(972) 371-5200 Da	ate Logged In:	08/07/24 15:	26		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com D	ue Date:	08/08/24 17	:00 (0 day TAT)			
Chain o	of Custody (COC)						
	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			<u>Commen</u>	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>				~ ~ ~ ~		
6. Did th	he COC indicate standard TAT, or Expedited TAT?		Yes		COC Rema	rks: Rush C	hloride only
Sample	Cooler_						
7. Was a	a sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	es, were custody/security seals intact?		NA				
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re	·	Yes				
12 If no	minutes of sampling visible ice, record the temperature. Actual sample ter	nnoraturo: 1º	ic.				
		прегаците. <u>+</u>					
	Container aqueous VOC samples present?		NI				
	VOC samples collected in VOA Vials?		No NA				
	he head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	e appropriate volume/weight or number of sample containers	collected?	Yes				
Field La		conceted.	105				
	e field sample labels filled out with the minimum inform	ation					
	Sample ID?		Yes				
Ţ	Date/Time Collected?		Yes	L			
	Collectors name?		No				
(Sample	Preservation						
(<u>Sample</u> 21. Does	s the COC or field labels indicate the samples were prese	erved?	No				
(<u>Sample</u> 21. Does 22. Are s	s the COC or field labels indicate the samples were prese sample(s) correctly preserved?		NA				
(<u>Sample</u> 21. Does 22. Are s 24. Is lat	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta						
(<u>Sample</u> 21. Does 22. Are s 24. Is lab <u>Multiph</u>	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta nase Sample Matrix	ıls?	NA				
(<u>Sample</u> 21. Does 22. Are s 24. Is lat <u>Multiph</u> 26. Does	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>nase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ıls?	NA				
(<u>Sample</u> 21. Does 22. Are s 24. Is lat <u>Multiph</u> 26. Does	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta nase Sample Matrix	ıls?	NA No				
Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If yes	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>nase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ıls?	NA No No				
Sample 21. Does 22. Ares 24. Is lat Multiph 26. Does 27. If yes Subcont	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta nase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed	ıls? d?	NA No No				

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E409019

Job Number: 23003-0002

Received: 9/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/11/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/11/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E409019 Date Received: 9/5/2024 5:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2024 5:00:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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*		Sample Sum	mary		0
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Rustler Breaks 2 Bo 23003-0002	ooster	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/11/24 14:22
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW08 - 0-10'	E409019-01A	Soil	09/03/24	09/05/24	Glass Jar, 2 oz.



		impic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		ler Breaks 2 03-0002	2 Booster			Reported:
Dallas TX, 75240	Project Manag		ley Gioveng	9/11/2024 2:22:18PM			
	S	W08 - 0-10'					
		E409019-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	L	Analyst: RKS			Batch: 2436040
Benzene	ND	0.0250	1	09	/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09	/05/24	09/06/24	
Toluene	ND	0.0250	1		/05/24	09/06/24	
p-Xylene	ND	0.0250	1		/05/24	09/06/24	
o,m-Xylene	ND	0.0500	1		/05/24	09/06/24	
Total Xylenes	ND	0.0250	1	09	/05/24	09/06/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09	/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09	/05/24	09/06/24	
Surrogate: Toluene-d8		105 %	70-130	09	/05/24	09/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2436040
Gasoline Range Organics (C6-C10)	ND	20.0	1	09	/05/24	09/06/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09	/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09	/05/24	09/06/24	
Surrogate: Toluene-d8		105 %	70-130	09	/05/24	09/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg		Analyst: AF			Batch: 2436044
Diesel Range Organics (C10-C28)	ND	25.0	1	09	/05/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09	/05/24	09/11/24	
Surrogate: n-Nonane		99.2 %	50-200	09	/05/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2436049
Chloride	439	20.0	1	09	/05/24	09/06/24	

Sample Data



QC Summary Data

		yc si			и 				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	istler Breaks 003-0002 shley Gioveng				9/	Reported: 11/2024 2:22:18PM
		Volatile Organic	Compo	3	Analyst: RKS				
		Reporting	Spike	Source		Rec		RPD	•
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436040-BLK1)							Prepared: 0	9/05/24 Ana	yzed: 09/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4									
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2436040-BS1)							Prepared: 0	9/05/24 Ana	yzed: 09/06/24
Benzene	2.47	0.0250	2.50		98.9	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130			
Toluene	2.38	0.0250	2.50		95.0	70-130			
o-Xylene	2.21	0.0250	2.50		88.5	70-130			
p,m-Xylene	4.43	0.0500	5.00		88.6	70-130			
Total Xylenes	6.64	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
Matrix Spike (2436040-MS1)				Source:	E409006-0	02	Prepared: 0	9/05/24 Ana	yzed: 09/06/24
Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.3	45-135			
Toluene	2.46	0.0250	2.50	ND	98.5	48-130			
o-Xylene	2.28	0.0250	2.50	ND	91.1	43-135			
p,m-Xylene	4.55	0.0500	5.00	ND	90.9	43-135			
Total Xylenes	6.83	0.0250	7.50	ND	91.0	43-135			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
Matrix Spike Dup (2436040-MSD1)				Source:	E409006-0	02	Prepared: 0	9/05/24 Ana	yzed: 09/06/24
Benzene	2.55	0.0250	2.50	ND	102	48-131	1.30	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.6	45-135	0.800	27	
Toluene	2.43	0.0250	2.50	ND	97.4	48-130	1.18	24	
o-Xylene	2.30	0.0250	2.50	ND	91.8	43-135	0.809	27	
p,m-Xylene	4.59	0.0500	5.00	ND	91.8	43-135	0.952	27	
Total Xylenes	6.89	0.0250	7.50	ND	91.8	43-135	0.904	27	
	0.509	0.0250	0.500		102	70-130			
Surrogate: Bromofluorobenzene									
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

		QC B	uIIIII	laly Data	1				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 9/11/2024 2:22:18PM
	N		Analyst: RKS						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436040-BLK1)							Prepared: 0	09/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2436040-BS2)							Prepared: 0	9/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.0	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
Matrix Spike (2436040-MS2)				Source:	E409006-(02	Prepared: 0	09/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
Matrix Spike Dup (2436040-MSD2)				Source:	E409006-(02	Prepared: 0	09/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130	2.85	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

		QC D		ary Data	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Giovengo					Reported: 9/11/2024 2:22:18PM
	Nonh	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436044-BLK1)							Prepared: 0	9/05/24 A	Analyzed: 09/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			
LCS (2436044-BS1)							Prepared: 0	9/05/24 A	Analyzed: 09/10/24
Diesel Range Organics (C10-C28)	215	25.0	250		86.0	38-132			
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			
Matrix Spike (2436044-MS1)				Source: I	E 409006-	01	Prepared: 0	9/05/24 A	Analyzed: 09/10/24
Diesel Range Organics (C10-C28)	231	25.0	250	34.7	78.4	38-132			
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			
Matrix Spike Dup (2436044-MSD1)				Source: I	E409006-	01	Prepared: 0	9/05/24 A	Analyzed: 09/10/24
Diesel Range Organics (C10-C28)	243	25.0	250	34.7	83.3	38-132	5.19	20	
Surrogate: n-Nonane	46.9		50.0		93.7	50-200			



QC Summary Data

			••••••	<i>J</i> –					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 9/11/2024 2:22:18PM
		Anions	by EPA	. 300.0/9056A	•				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2436049-BLK1)							Prepared: 0	9/05/24	Analyzed: 09/05/24
Chloride	ND	20.0							
LCS (2436049-BS1)							Prepared: 0	9/05/24	Analyzed: 09/05/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2436049-MS1)				Source:	E409008-(03	Prepared: 0	9/05/24	Analyzed: 09/05/24
Chloride	4330	100	250	4010	128	80-120			M4
Matrix Spike Dup (2436049-MSD1)				Source:	E409008-(03	Prepared: 0	9/05/24	Analyzed: 09/06/24
Chloride	4310	100	250	4010	119	80-120	0.542	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.



Reported:
09/11/24 14:22

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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



Chain of Custody

Page _____ of __

Received by OCD: 12/11/2024 12:00:41 AM

	Client Information Matador Production Company							Lab Use Only									TAT State										
lient: N	: Matador Production Company :t: Rustler Breaks 2 Booster				Compa	ny: Ens	solum LLC	2		L	ab W	/0#			Job	Num	ber		1D 2D 3D Sto			td	NN	A CO	UT	TX	
roject:	Rustler Breal	ks 2 Boost	ter						Parks Hwy	1		EHO	90	19			003					x		x			
roject N	lanager: Ash	nley Giove	engo			City, Sta	ate, Zip:	Carlsba	d NM, 8822	20						-					1000		_	-			
Address:	3122 Nation	nal Parks H	Hwy		Р	hone:	575-9	88-0055				Г	Analysis and Metho											1	EPA Pro	ogra	m
City, Stat	e, Zip: Carlsh	bad NM, 8	38220		E	Email:	agiove	engo@en	solum.com	om													S	DWA	CW	A/	RCRA
hone: 5	75-988-0055	5			M	iscella	neous:																				
mail: a	iovengo@er	nsolum.cc	m									:	8015	12									Co	mplia	nce	Y	or N
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				Sam	ple Informat	tion							30 by	d Ob	802	826	e 30(NN -	05 - 1	Met							
Time Sampled	Date Sampled	Matrix	No. of Containers			Sam	ple ID			Field	Lab Numb	ber	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Rema	arks	
12:37	9/3/2024	S	1			SW08	3 - 0-10'				1							x									
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	Cole Burton d by: (Signature	e)	Date	le la	Time	Rede	eved by	Signature)	anarles	Date			ime				-								d on ice the		
C	ee m	3	9/	4/24	7.30			" -1	0		4-24		_	130	2			sample	d or rec	eived pa	acked in		1.0	5. C. D.	0 but less t	than 6	°C on
Moquishe	d by: (Signature	e) monles	Date G.	4:24	Time 830	Rec	lived by: (S	Signature)	0	Date 9.	4.2		ime 19	33	0			Rece	eived	on ic	e:	Lab	Use (N	Only			
elinquishe	d by: (Signatur	e)	Date	1111	Time 2400	Rece	eived by: (S	(Signature)	000	Date	1999 C	Ti	ime	- 0	~		1										
Andr	1 Hubb)		4.24		M	m	KH	all	9.5	5-20	-	_	50	0			<u>T1</u>	_	_	_ 1	Γ2	-		<u>T3</u>		
	d by: (Signatur		Date		Time	Rece	eived by: (S	(Signature)		Date			ime						Tem		4						
	ix: S - Soil, Sd - So									_	tainer	_				_	_	ag -	ambe	r glas	s, v - V	/OA					
					ed unless other											osed o	of at th	ne clie	ent exp	ense.	The re	port fo	r the a	analysis	s of the a	above	e samples is
plicable	only to those sa	mples recei	wed by the	laboratory	with this COC. T	ne liabi	nity of the	laboratory	is limited to	ne amo	ount pai	a tor o	on the	e repo	ort.												

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. D	ate Received:	09/05/24 05	:00	Work Order ID:	E409019
Phone:		ate Logged In:	09/04/24 17		Logged In By:	Noe Soto
Email:		ue Date:		2:00 (4 day TAT)	Logged in By.	
Chain of	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, requester	d analyses?	Yes	Currer. <u>Courrer</u>		
	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	•	Yes		Commen	ts/Resolution
Sample 7	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling	·	Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	С			
Sample (Container	· _				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are n	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name? Preservation		Yes			
	the COC or field labels indicate the samples were pres	erved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved met	als?	No			
	ase Sample Matrix					
-	the sample have more than one phase, i.e., multiphases	,	No			
	s, does the COC specify which phase(s) is to be analyze		NO			
27. II yes	ract Laboratory	····	INA			
Subsert						
		,	No			
28. Are s	samples required to get sent to a subcontract laboratory a subcontract laboratory as a subcontract laboratory specified by the client and if so		No NA S	Subcontract Lab: NA		

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E409021

Job Number: 23003-0002

Received: 9/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/11/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/11/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E409021 Date Received: 9/5/2024 8:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2024 8:00:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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v		Sample Sum	mary		0
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Rustler Breaks 2 Bo 23003-0002	oster	Reported:
		Ashley Giovengo		09/11/24 14:25	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS17-10'	E409021-01A	Soil	09/03/24	09/05/24	Glass Jar, 2 oz.



	~•	impic D										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2300	ler Breaks		r		Reported:					
Dallas TX, 75240	Project Manag	er: Ash	ley Gioveng	go		9/11/2024 2:25:10PM						
		FS17-10'										
E409021-01												
Reporting Analyte Result Limit Dilution Prepared Analyzed Notes												
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes					
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:]	RKS		Batch: 2436040					
Benzene	ND	0.0250	1	1	09/05/24	09/06/24						
Ethylbenzene	ND	0.0250	1	1	09/05/24	09/06/24						
Toluene	ND	0.0250	1	1	09/05/24	09/06/24						
-Xylene	ND	0.0250	1	1	09/05/24	09/06/24						
,m-Xylene	ND	0.0500	1	09/05/24		09/06/24						
Total Xylenes	ND	0.0250	1	1	09/05/24	09/06/24						
urrogate: Bromofluorobenzene		103 %	70-130		09/05/24	09/06/24						
urrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/05/24	09/06/24						
urrogate: Toluene-d8		103 %	70-130		09/05/24	09/06/24						
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst:		RKS		Batch: 2436040					
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/05/24	09/06/24						
urrogate: Bromofluorobenzene		103 %	70-130		09/05/24	09/06/24						
urrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/05/24	09/06/24						
urrogate: Toluene-d8		103 %	70-130		09/05/24	09/06/24						
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: A	AF		Batch: 2436044					
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/05/24	09/11/24						
Dil Range Organics (C28-C36)	ND	50.0	1	1	09/05/24	09/11/24						
urrogate: n-Nonane		93.1 %	50-200		09/05/24	09/11/24						
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2436049					
Chloride	263	200	1	0	09/05/24	09/06/24						

Sample Data



QC Summary Data

		QU SI									
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Rustler Breaks 2 Booster 23003-0002 Ashley Giovengo					9/	Reported: 11/2024 2:25:10PM		
		Volatile Organic	Compo	3			Analyst: RKS				
Analyte	D k	Reporting Limit	Spike Level	Source Result	Dee	Rec Limits	RPD	RPD Limit			
	Result mg/kg	mg/kg	mg/kg	mg/kg	Rec %	%	%	%	Notes		
Blank (2436040-BLK1)							Prepared: 0	9/05/24 Ana	Analyzed: 09/06/24		
Benzene	ND	0.0250					-				
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130					
	0.483		0.500		96.6	70-130					
Surrogate: 1,2-Dichloroethane-d4											
Surrogate: Toluene-d8	0.522		0.500		104	70-130					
LCS (2436040-BS1)							Prepared: 0	9/05/24 Ana	yzed: 09/06/24		
Benzene	2.47	0.0250	2.50		98.9	70-130					
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130					
Toluene	2.38	0.0250	2.50		95.0	70-130					
o-Xylene	2.21	0.0250	2.50		88.5	70-130					
p,m-Xylene	4.43	0.0500	5.00		88.6	70-130					
Total Xylenes	6.64	0.0250	7.50		88.6	70-130					
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130					
Surrogate: Toluene-d8	0.506		0.500		101	70-130					
Matrix Spike (2436040-MS1)				Source:	E409006-0	02	Prepared: 0	9/05/24 Ana	yzed: 09/06/24		
Benzene	2.58	0.0250	2.50	ND	103	48-131	1		5		
Ethylbenzene	2.38	0.0250	2.50	ND	95.3	45-135					
Toluene	2.46	0.0250	2.50	ND	98.5	48-130					
o-Xylene	2.28	0.0250	2.50	ND	91.1	43-135					
p,m-Xylene	4.55	0.0500	5.00	ND	90.9	43-135					
Total Xylenes	6.83	0.0250	7.50	ND	91.0	43-135					
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.307		0.500		98.6	70-130					
Surrogate: Toluene-d8	0.515		0.500		103	70-130					
-	,			Source	E409006-0		Prenarad. 0	9/05/21 Ano	yzed: 09/06/24		
Matrix Spike Dup (2436040-MSD1) Benzene	2.55	0.0250	2.50	ND	102	48-131	1.30	23	1y200. 09/00/24		
Ethylbenzene	2.36	0.0250	2.50	ND	94.6	45-135	0.800	27			
Toluene	2.43	0.0250	2.50	ND	97.4	48-130	1.18	24			
o-Xylene	2.30	0.0250	2.50	ND	91.8	43-135	0.809	27			
p,m-Xylene	4.59	0.0250	5.00	ND	91.8	43-135	0.809	27			
p,m-Xylene Total Xylenes	6.89	0.0250	7.50	ND	91.8	43-135	0.932	27			
	0.509	0.0250	0.500		102	70-130	0.701				
Surrogate: Bromofluorobenzene											
	0.507		0.500		101	70-130					
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.506		0.500		101	70-130					



QC Summary Data

		QC S	uIIIII	ary Data	1				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number: Project Manager:	Rustler Breaks 2 Booster 23003-0002 Ashley Giovengo						Reported: 9/11/2024 2:25:10PM	
	N	onhalogenated O	s by EPA 801	15D - GI	RO	Analyst: RKS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436040-BLK1)							Prepared: 0	9/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2436040-BS2)							Prepared: 0	9/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.0	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
Matrix Spike (2436040-MS2)				Source:	E409006-(02	Prepared: 0	9/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
Matrix Spike Dup (2436040-MSD2)				Source:	E409006-(02	Prepared: 0	9/05/24	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130	2.85	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

		QC D		ary Data	•						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 Booster 23003-0002 Ashley Giovengo					Reported: 9/11/2024 2:25:10PM Analyst: KH		
	Nonh	/ORO									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2436044-BLK1)							Prepared: 0	9/05/24 <i>A</i>	Analyzed: 09/10/24		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	46.1		50.0		92.3	50-200					
LCS (2436044-BS1)							Prepared: 0	9/05/24 A	Analyzed: 09/10/24		
Diesel Range Organics (C10-C28)	215	25.0	250		86.0	38-132					
Surrogate: n-Nonane	45.7		50.0		91.4	50-200					
Matrix Spike (2436044-MS1)				Source: I	E 409006-	01	Prepared: 0	9/05/24 A	Analyzed: 09/10/24		
Diesel Range Organics (C10-C28)	231	25.0	250	34.7	78.4	38-132					
Surrogate: n-Nonane	45.1		50.0		90.2	50-200					
Matrix Spike Dup (2436044-MSD1)				Source: I	E 409006-	01	Prepared: 0	9/05/24 A	Analyzed: 09/10/24		
Diesel Range Organics (C10-C28)	243	25.0	250	34.7	83.3	38-132	5.19	20			
Surrogate: n-Nonane	46.9		50.0		93.7	50-200					



QC Summary Data

			-	J					
Matador Resources, LLC.	Project Name:	Rustler Breaks 2	2 Booster				Reported:		
5400 LBJ Freeway, Suite 1500 Project			Project Number: 23003-0002						
Dallas TX, 75240	Project Manager:			Ashley Gioveng	go				9/11/2024 2:25:10PM
			Analyst: DT						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436049-BLK1)							Prepared: 0	9/05/24	Analyzed: 09/05/24
Chloride	ND	20.0							
LCS (2436049-BS1)							Prepared: 0	9/05/24	Analyzed: 09/05/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2436049-MS1)				Source:	E409008-	03	Prepared: 0	9/05/24	Analyzed: 09/05/24
Chloride	4330	100	250	4010	128	80-120			M4
Matrix Spike Dup (2436049-MSD1)				Source:	E409008-	03	Prepared: 0	9/05/24	Analyzed: 09/06/24
Chloride	4310	100	250	4010	119	80-120	0.542	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.



_		Demitions		
ſ	Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/11/24 14:25

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

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

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



Chain of Custody

	Clier	nt Inform	ation			Invoice Inform	Invoice Information Lab Use C pany: Ensolum LLC Lab WO# Job							ly			TAT State				tate
Client: N	Aatador Prod	uction Co	mpany			Company: Ensolum LLC								Job Number 1D 2D 3D					td NM CO UT TX		
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roject N	Aanager: Ash	ley Giove	ngo			ity, State, Zip: Carlsbad	NM, 8822	0	_												
ddress:	3122 Nation	al Parks H	łwy		<u>P</u>	hone: 575-988-0055						-	Ana	lysis	and N	Vieth	od			EPA Pro	gram
ity, Stat	e, Zip: Carlsh	ad NM, 8	8220		E	Email: agiovengo@ense	olum.com												SDW	A CW	A RCRA
	575-988-0055				Mi	iscellaneous:															
mail: a	giovengo@er	nsolum.co	m							015	015								Compl	iance	Y or N
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Kenna	age o tate UT TX gram A RCRA Y or N rks
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ddition	al Instruction	s: Pleas	se CC: cbi	urton@en	solum.com.	agiovengo@ensolum.c	om, iestre	lla@e	nsolum	.com.	bdea	al@ei	nsolu	m.co	m. ch	nami	ton@	ensolum.co	m,		
	ns@ensolum				,	-88-C											-				
			authenticity	of this sample	e. I am aware th	at tampering with or intentionally	mislabeling t	the samp	le location	n, date d	or time	of colle	ection i	s consi	dered f	raud a	nd may b	e grounds for le	egal actio	n.	
11.191	Cole Burton						-	-		-	10	-									
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mple Mat	rix: S - Soil, Sd - So	olid, Sg - Slud	ge, A - Aqueo	ous, O - Other					ainer Ty					astic,	ag - a	mber	glass,				
						arrangements are made. Haz							osed o	of at th	ne clier	nt exp	ense. Th	ne report for the	he analy	sis of the a	bove samples is
oplicable	only to those sa	mples recei	ved by the l	laboratory w	ith this COC. T	he liability of the laboratory is	limited to t	he amo	unt paid f	or on t	he rep	ort.									

Released to Imaging: 12/16/2024 4:49:30 PM
Envirotech Analytical Laboratory

structions: Please take note of any NO checkmarks.		Checklist (SRC)	waad as raqua	stad	
we receive no response concerning these items within 24 hours of the date of this			zeu as reque		
Client: Matador Resources, LLC. Date Receive	ed: 09/05/24	08:00		Work Order ID:	E409021
Phone: (972) 371-5200 Date Logged	In: 09/05/24	07:54		Logged In By:	Noe Soto
Email: agiovngo@ensolum.com Due Date:	09/11/24	17:00 (4 day TAT)			
Chain of Custody (COC)					
1. Does the sample ID match the COC?	Yes				
2. Does the number of samples per sampling site location match the COC	Yes				
3. Were samples dropped off by client or carrier?	Yes	Carrier: Co	urier		
4. Was the COC complete, i.e., signatures, dates/times, requested analyses'	? Yes				
5. Were all samples received within holding time?	Yes				
Note: Analysis, such as pH which should be conducted in the field,				Commen	ts/Resolution
i.e, 15 minute hold time, are not included in this disucssion.		Г			
Sample Turn Around Time (TAT)	Yes				
6. Did the COC indicate standard TAT, or Expedited TAT?	105				
Sample Cooler 7. Was a sample cooler received?	Vee				
8. If yes, was cooler received in good condition?	Yes				
	Yes				
9. Was the sample(s) received intact, i.e., not broken?	Yes				
10. Were custody/security seals present?	No				
11. If yes, were custody/security seals intact?	NA				
 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 					
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					
Field Label	. 105				
20. Were field sample labels filled out with the minimum information:					
Sample ID?	Yes				
Date/Time Collected?	Yes	L			
Collectors name?	No				
Sample Preservation					
21. Does the COC or field labels indicate the samples were preserved?	No				
22. Are sample(s) correctly preserved?	NA				
24. Is lab filteration required and/or requested for dissolved metals?	No				
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., multiphase?	No				
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA				
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract laboratory?	No				
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: 1	NA		
Client Instruction					

Date



envirotech Inc.

Released to Imaging: 12/16/2024 4:49:30 PM





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:

Rustler Breaks 2 Booster

Work Order: E409023

Job Number: 23003-0002

Received: 9/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/10/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/10/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E409023 Date Received: 9/5/2024 8:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2024 8:00:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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*		Sample Sum	mary		
Matador Resources, LLC.		Project Name:	Rustler Breaks 2 Bo	ooster	Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:	23003-0002 Ashley Giovengo		09/10/24 10:20
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW09 - 0-10'	E409023-01A	Soil	09/03/24	09/05/24	Glass Jar, 2 oz.



	5	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	tler Breaks 2 Boos 03-0002 ley Giovengo	ster		Reported: 9/10/2024 10:20:04AM
	Ś	SW09 - 0-10'				
		E409023-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2436041
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/06/24	
oluene	ND	0.0250	1	09/05/24	09/06/24	
-Xylene	ND	0.0250	1	09/05/24	09/06/24	
o,m-Xylene	ND	0.0500	1	09/05/24	09/06/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/06/24	
urrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/05/24	09/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2436041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/06/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	09/05/24	09/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2436045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/07/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/07/24	
Surrogate: n-Nonane		84.0 %	50-200	09/05/24	09/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2436049
Chloride	489	20.0	1	09/05/24	09/06/24	

Sample Data



QC Summary Data

		QC DI		il y Data	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ustler Breaks 2 3003-0002 shley Gioveng					Reported: 9/10/2024 10:20:04AM
		Volatile O	rganics l	by EPA 802	21B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436041-BLK1)							Prepared: 0	9/05/24 A	nalyzed: 09/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			
LCS (2436041-BS1)							Prepared: 0	9/05/24 A	analyzed: 09/06/24
Benzene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.13	0.0250	5.00		103	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.7	70-130			
Matrix Spike (2436041-MS1)				Source:	E409011-0	5	Prepared: 0	9/05/24 A	analyzed: 09/06/24
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133			
Toluene	5.09	0.0250	5.00	ND	102	61-130			
o-Xylene	4.98	0.0250	5.00	ND	99.6	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			
Matrix Spike Dup (2436041-MSD1)				Source:	E409011-0	5	Prepared: 0	9/05/24 A	analyzed: 09/06/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	0.0223	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	0.384	20	
					100	61-130	0.309	20	
Toluene	5.11	0.0250	5.00	ND	102	01-150	0.509	20	
Toluene o-Xylene		0.0250 0.0250	5.00 5.00	ND ND	102	63-131	0.426	20	
	5.11 5.00 10.2		5.00 10.0	ND ND	100 102	63-131 63-131	0.426 0.296	20 20	
o-Xylene	5.11 5.00	0.0250	5.00	ND	100	63-131	0.426	20	



QC Summary Data

		L L							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 9/10/2024 10:20:04AM
24140 11,7210	No	onhalogenated C				RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2436041-BLK1)							Prepared: 0	9/05/24 <i>A</i>	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			
LCS (2436041-BS2)							Prepared: 0	9/05/24 A	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			
Matrix Spike (2436041-MS2)				Source:	E409011-	05	Prepared: 0	9/05/24 A	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			
Matrix Spike Dup (2436041-MSD2)				Source:	E409011-	05	Prepared: 0	9/05/24 A	Analyzed: 09/06/24
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.1	70-130	4.97	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

QC Summary Data

		$\mathbf{x} \in \mathbf{v}$	••••••						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 9/10/2024 10:20:04AM
	Nonh	alogenated Org			•	/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
					70	70	70	70	notes
Blank (2436045-BLK1)							Prepared: 0	9/05/24 A	Analyzed: 09/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			
LCS (2436045-BS1)							Prepared: 0	9/05/24 A	Analyzed: 09/06/24
Diesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
Surrogate: n-Nonane	43.4		50.0		86.7	50-200			
Matrix Spike (2436045-MS1)				Source:	E409011-	08	Prepared: 0	9/05/24 A	Analyzed: 09/06/24
Diesel Range Organics (C10-C28)	236	25.0	250	38.2	79.0	38-132			
Surrogate: n-Nonane	43.8		50.0		87.6	50-200			
Matrix Spike Dup (2436045-MSD1)				Source:	E409011-	08	Prepared: 0	9/05/24 A	Analyzed: 09/07/24
Diesel Range Organics (C10-C28)	241	25.0	250	38.2	81.1	38-132	2.30	20	
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			



QC Summary Data

		<u> </u>		•					
Matador Resources, LLC.		Project Name:		Rustler Breaks 2	2 Booster				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23003-0002					•
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				9/10/2024 10:20:04AM
		Anions	by EPA	300.0/9056A	\				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2436049-BLK1)							Prepared: 0	9/05/24 A	Analyzed: 09/05/24
Chloride	ND	20.0							
LCS (2436049-BS1)							Prepared: 0	9/05/24 A	Analyzed: 09/05/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2436049-MS1)				Source:	E409008-	03	Prepared: 0	9/05/24 A	Analyzed: 09/05/24
Chloride	4330	100	250	4010	128	80-120			M4
Matrix Spike Dup (2436049-MSD1)				Source:	E409008-	03	Prepared: 0	9/05/24 A	Analyzed: 09/06/24
Chloride	4310	100	250	4010	119	80-120	0.542	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.



Definition	and Notes

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I	Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/10/24 10:20

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

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

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

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



Chain of Custody

City, State, Zip: Carlsbad NM, 88220 Email: agiovengo@ensolum.com Phone: 575-988-0055 Miscellaneous: Email: agiovengo@ensolum.com 1000000000000000000000000000000000000	
coject Manager: Ashley Giovengo City, State, Zip: Carlsbad NM, 88220 bddress: 3122 National Parks Hwy Phone: 575-988-0055 ty, State, Zip: Carlsbad NM, 88220 Email: agiovengo@ensolum.com none: 575-988-0055 Miscellaneous: mail: agiovengo@ensolum.com 58 Sampled Information 58 Time tampled Date Sampled Matrix No. of Containers Sample ID 11.28 9/3/2024 SW/00, 0, 10!	-0002 X X
Address: 3122 National Parks Hwy Phone: 575-988-0055 ty, State, Zip: Carlsbad NM, 88220 Email: agiovengo@ensolum.com none: 575-988-0055 Miscellaneous: mail: agiovengo@ensolum.com 50 % 4 % 4 % 4 % 4 % 4 % 4 % 4 % 4 % 4 %	
ty, State, Zip: Carlsbad NM, 88220 Email: agiovengo@ensolum.com hone: 575-988-0055 Miscellaneous: mail: agiovengo@ensolum.com 50 kg	
hone: 575-988-0055 mail: agiovengo@ensolum.com Sample Information Time Date Sampled Matrix No. of Containers Sample ID Pate Sample Matrix No. of Containers Sample ID Pate Sample ID Pa	and Method EPA Program
mail: agiovengo@ensolum.com Sample Information Time tampled Date Sampled Matrix No. of Containers 11.28 9/3/2024 9/3/2024 SW/00.0.101	SDWA CWA RCRA
Sample Information Time lampled Date Sample Matrix No. of Containers Sample ID Lab Number No. of Number Number Number Number 111.28 9/3/2024 9/3/2024 500/00, 0, 10 10 10 10 10	
Sample Information Time ampled Date Sample Matrix No. of containers Sample ID District Information 11:28 9/3/2024 9/3/2024 State Sample ID	Compliance Y or N
11-29 9/3/2024 SW/00 0.10 ¹	PWSID #
11-29 9/3/2024 SW/00 0 10 ¹	
11:38 9/3/2024 S 1 SW09 - 0-10' 1 1 Image: Second seco	PWSID # PWSID # Remarks Remarks
	x
dditional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com	om, chamilton@ensolum.com,
Tield sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is consident of the sample location, date or time of collection is consident of the sample location, date or time of collection is consident of the sample location, date or time of collection is consident of the sample location, date or time of collection is consident of the sample location.	idered fraud and may be grounds for legal action.
linguished by: (Signature) Date Time Received by: (Signature) Date Time S	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 $6^{\circ}C$ on
linguished by (Signature) Date Time Received by: (Signature) Date Time	Lab Use Only
	Received on ice: 🖤/ N
Indrew Husdo 9.4.24 2400 50 9-5-24 0800	<u>T1 </u>
	AVG Temp °C_4
mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, a	ag - amber glass, v - VOA
ote: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the plicable 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.	e client expense. The report for the analysis of the above samples is environment of the analysis of the above samples is
B	anvirataa
Page 11 of 12	

Page _____ of ____

Received by OCD: 12/11/2024 12:00:41 AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

tructions: Please take note of any NO checkmarks.	Sample	Receipt	Checklist (SRC	()		
ve receive no response concerning these items within 24 hours of the	e date of this not	ice, all the	samples will be an	alyzed as req	uested.	
Client: Matador Resources, LLC. I	Date Received:	09/05/24	08:00		Work Order ID:	E409023
Phone: (972) 371-5200 I	Date Logged In:	09/05/24	08:08		Logged In By:	Noe Soto
Email: agiovngo@ensolum.com I	Due Date:	09/11/24	17:00 (4 day TAT)			
Chain of Custody (COC)						
1. Does the sample ID match the COC?		Yes				
2. Does the number of samples per sampling site location matcl	h the COC	Yes				
3. Were samples dropped off by client or carrier?		Yes	Carrier:	Courier		
4. Was the COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes				
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes			Commen	ts/Resolution
Sample Turn Around Time (TAT)						
5. 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				
 Was the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are r 		Yes				
minutes of sampling	40					
13. If no visible ice, record the temperature. Actual sample to	emperature: <u>4</u> °	<u>c</u>				
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?	11 / 10	Yes				
19. Is the appropriate volume/weight or number of sample containe	rs collected?	Yes				
Field Label						
20. Were field sample labels filled out with the minimum inform Sample ID?	nation:	Yes				
Date/Time Collected?		Yes				
Collectors name?		No				
Sample Preservation						
21. Does the COC or field labels indicate the samples were pres	served?	No				
22. Are sample(s) correctly preserved?		NA				
24. Is lab filteration required and/or requested for dissolved me	tals?	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 analyz	ed?	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 s	o who?	NA	Subcontract Lal	o: NA		
Client Instruction						



Date

envirotech Inc.

.

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E411251

Job Number: 23003-0002

Received: 11/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/26/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/26/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E411251 Date Received: 11/23/2024 9:15:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/23/2024 9:15:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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v		Sample Sum	mary		0
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Rustler Breaks 2 Bo 23003-0002 Ashley Giovengo	ooster	Reported: 11/26/24 09:49
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07 - 0'	E411251-01A	Soil	11/22/24	11/23/24	Glass Jar, 2 oz.
SS09 - 0'	E411251-02A	Soil	11/22/24	11/23/24	Glass Jar, 2 oz.



	D	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	tler Breaks 2 Boo 03-0002 ley Giovengo	ster		Reported: 11/26/2024 9:49:02AM
		SS07 - 0'				
		E411251-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2447131
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
oluene	ND	0.0250	1	11/23/24	11/24/24	
-Xylene	ND	0.0250	1	11/23/24	11/24/24	
o,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
urrogate: 4-Bromochlorobenzene-PID		85.1 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2447131
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2447128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
'urrogate: n-Nonane		106 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	ıt: IY		Batch: 2448003
Chloride	243	20.0	1	11/25/24	11/25/24	

Sample Data

Sample Data

	9	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	tler Breaks 2 03-0002 ley Giovengo	Reported: 11/26/2024 9:49:02AM		
		SS09 - 0'				
		E411251-02				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: SL		Batch: 2447131
Benzene	ND	0.0250	1	11/23/24	11/24/24	
Ethylbenzene	ND	0.0250	1	11/23/24	11/24/24	
oluene	ND	0.0250	1	11/23/24	11/24/24	
-Xylene	ND	0.0250	1	11/23/24	11/24/24	
,m-Xylene	ND	0.0500	1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250	1	11/23/24	11/24/24	
urrogate: 4-Bromochlorobenzene-PID		85.3 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2447131
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/24	11/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: AF		Batch: 2447128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/24	11/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/23/24	11/24/24	
Surrogate: n-Nonane		101 %	50-200	11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2448003
Chloride	170	20.0	1	11/25/24	11/25/24	



QC Summary Data

		$\mathbf{x} \in \mathcal{Z}$							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number: Project Manager:	2	Rustler Breaks 2 3003-0002 Ashley Gioveng					Reported: 11/26/2024 9:49:02AM	
		Volatile O	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
			88		70	/0	70	70	110105
Blank (2447131-BLK1)]	Prepared: 1	1/23/24 A	Analyzed: 11/24/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.76		8.00		84.5	70-130			
LCS (2447131-BS1)]	Prepared: 1	1/23/24 A	Analyzed: 11/24/24
Benzene	4.72	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.48	0.0250	5.00		89.5	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.47	0.0250	5.00		89.3	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130			
LCS Dup (2447131-BSD1)]	Prepared: 1	1/23/24 A	Analyzed: 11/24/24
Benzene	4.91	0.0250	5.00		98.3	70-130	4.14	20	
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	4.03	20	
Toluene	4.81	0.0250	5.00		96.2	70-130	4.15	20	
o-Xylene	4.65	0.0250	5.00		93.0	70-130	4.03	20	
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130	4.10	20	
Total Xylenes	14.1	0.0250	15.0		94.1	70-130	4.08	20	
Surrogate: 4-Bromochlorobenzene-PID	6.87		8.00		85.8	70-130			



QC Summary Data

				v					
Matador Resources, LLC.		Project Name:	Rı	ustler Breaks	2 Booster				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	: 23	3003-0002					
Dallas TX, 75240		Project Manager	a: As	shley Gioveng	go				11/26/2024 9:49:02AM
	No	onhalogenated	Organics	by EPA 80	15D - GI	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447131-BLK1)							Prepared: 1	1/23/24	Analyzed: 11/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			
LCS (2447131-BS2)							Prepared: 1	1/23/24	Analyzed: 11/24/24
Gasoline Range Organics (C6-C10)									
Jasonne Range Organics (CO-CTO)	42.6	20.0	50.0		85.2	70-130			
	42.6 7.70	20.0	50.0 8.00		85.2 96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID		20.0					Prepared: 1	1/23/24	Analyzed: 11/24/24
Surrogate: 1-Chloro-4-fluorobenzene-FID LCS Dup (2447131-BSD2) Gasoline Range Organics (C6-C10)		20.0					Prepared: 1 4.19	20	Analyzed: 11/24/24



QC Summary Data

				-)					
Matador Resources, LLC.		Project Name:	R	ustler Breaks	2 Booster				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					
Dallas TX, 75240		Project Manager:	: A	shley Gioveng	go				11/26/2024 9:49:02AM
	Nonh	alogenated Org	anics by	EPA 8015I) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447128-BLK1)							Prepared: 1	1/23/24 A	nalyzed: 11/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.0		50.0		102	50-200			
LCS (2447128-BS1)							Prepared: 1	1/23/24 A	nalyzed: 11/24/24
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
LCS Dup (2447128-BSD1)							Prepared: 1	1/23/24 A	nalyzed: 11/24/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132	4.47	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			

QC Summary Data

		<u> </u>		v					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23003-0002					Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	go			1	1/26/2024 9:49:02AM
		Anions	by EPA	300.0/9056A	۱.				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2448003-BLK1)							Prepared: 1	1/25/24 An	alyzed: 11/25/24
Chloride	ND	20.0							
LCS (2448003-BS1)							Prepared: 1	1/25/24 An	alyzed: 11/25/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2448003-BSD1)							Prepared: 1	1/25/24 An	alyzed: 11/25/24
Chloride	255	20.0	250		102	90-110	0.425	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/26/24 09:49

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





Chain of Custody

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Time Sampled	Date Sampled	Mətrix	No. of Container	•					iple (i						Field Fiter	Lab Numb	er		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	MN-DOD	TCEQ 1005 - TX	RCRA 8 Metals						Ren	narks	_	
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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	ate Received:	11/23/24	09:15	Work Order ID:	E411251
Phone:	(972) 371-5200 D	ate Logged In:	11/22/24	14:52	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com D	ue Date:	11/25/24	17:00 (0 day TAT)		
Chain o	f Custody (COC)					
1. Does 1	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	с			
	<u>Container</u>	-				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes			
Field La	ıbel					
20. Were	e field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		Yes			
_	<u>Preservation</u> s the COC or field labels indicate the samples were pres	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved met	als?	No			
	•	wa	110			
	a <mark>se Sample Matrix_</mark> s the sample have more than one phase, i.e., multiphase ⁵)	ħ ⊺-			
	s, does the COC specify which phase(s) is to be analyze		No			
∠1. II ye		ли;	NA			
	hand I also materia					
	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA			

Date



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5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:

Rustler Breaks 2 Booster

Work Order: E411252

Job Number: 23003-0002

Received: 11/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/26/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/26/24

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

Project Name: Rustler Breaks 2 Booster Workorder: E411252 Date Received: 11/23/2024 9:15:00AM

Ashley Giovengo,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/23/2024 9:15:00AM, under the Project Name: Rustler Breaks 2 Booster.

The analytical test results summarized in this report with the Project Name: Rustler Breaks 2 Booster apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Rustler Breaks 2 Booster 23003-0002		Reported:					
Dallas TX, 75240		Project Manager:	Ashley Giovengo		11/26/24 09:50					
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container					
SS08 - 0'	E411252-01A	Soil	11/22/24	11/23/24	Glass Jar, 2 oz.					



		ampie D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb		tler Breaks 03-0002	Reported:			
Dallas TX, 75240	Project Manag	ger: Ash			11/26/2024 9:50:22AM		
		SS08 - 0'					
		E411252-01					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	ng/kg Analyst: SL				Batch: 2447131
Benzene	ND	0.0250		1	11/23/24	11/24/24	
thylbenzene	ND	0.0250		1	11/23/24	11/24/24	
oluene	ND	0.0250		1	11/23/24	11/24/24	
-Xylene	ND	0.0250		1	11/23/24	11/24/24	
,m-Xylene	ND	0.0500		1	11/23/24	11/24/24	
Total Xylenes	ND	0.0250		1	11/23/24	11/24/24	
urrogate: 4-Bromochlorobenzene-PID		85.8 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	onhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: SL			SL		Batch: 2447131	
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/23/24	11/24/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130		11/23/24	11/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2447128
Diesel Range Organics (C10-C28)	ND	25.0		1	11/23/24	11/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	11/23/24	11/24/24	
Surrogate: n-Nonane		106 %	50-200		11/23/24	11/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2448003
Chloride	298	100	:	5	11/25/24	11/25/24	





OC Summary Data

		<u><u><u>v</u></u><u>v</u><u>v</u></u>		ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Rustler Breaks 2 23003-0002 Ashley Gioveng					Reported: 11/26/2024 9:50:22AM
Volatile Organics by EPA 8021B									Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447131-BLK1)							Prepared: 1	1/23/24	Analyzed: 11/24/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.76		8.00		84.5	70-130			
LCS (2447131-BS1)							Prepared: 1	1/23/24	Analyzed: 11/24/24
Benzene	4.72	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.48	0.0250	5.00		89.5	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.47	0.0250	5.00		89.3	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130			
LCS Dup (2447131-BSD1)							Prepared: 1	1/23/24	Analyzed: 11/24/24
Benzene	4.91	0.0250	5.00		98.3	70-130	4.14	20	
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	4.03	20	
Toluene	4.81	0.0250	5.00		96.2	70-130	4.15	20	
p-Xylene	4.65	0.0250	5.00		93.0	70-130	4.03	20	
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130	4.10	20	
Total Xylenes	14.1	0.0250	15.0		94.1	70-130	4.08	20	
Surrogate: 4-Bromochlorobenzene-PID	6.87		8.00		85.8	70-130			



QC Summary Data

		X V x	/umm		4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number		Rustler Breaks 2 23003-0002	2 Booster				Reported:
Dallas TX, 75240		Project Manage	r:	Ashley Gioveng	go			1	11/26/2024 9:50:22AM
	No	onhalogenated	Organic	s by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447131-BLK1)							Prepared: 1	1/23/24 Ai	nalyzed: 11/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			
LCS (2447131-BS2)							Prepared: 1	1/23/24 Ai	nalyzed: 11/24/24
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
LCS Dup (2447131-BSD2)							Prepared: 1	1/23/24 Ai	nalyzed: 11/24/24
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.8	70-130	4.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			



QC Summary Data

		•		v					
Matador Resources, LLC.		Project Name:	Rı	ustler Breaks	2 Booster				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					
Dallas TX, 75240		Project Manager:	As	shley Gioveng	go				11/26/2024 9:50:22AM
	Nonh	alogenated Org	anics by	EPA 8015I) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2447128-BLK1)							Prepared: 1	1/23/24 A	Analyzed: 11/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	51.0		50.0		102	50-200			
LCS (2447128-BS1)							Prepared: 1	1/23/24 A	Analyzed: 11/24/24
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
LCS Dup (2447128-BSD1)							Prepared: 1	1/23/24 A	Analyzed: 11/24/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132	4.47	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			



QC Summary Data

				v					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Rustler Breaks 2 23003-0002	Booster				Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				11/26/2024 9:50:22AM
		Anions	by EPA	300.0/9056A	L L				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2448003-BLK1)							Prepared: 1	1/25/24 A	nalyzed: 11/25/24
Chloride	ND	20.0							
LCS (2448003-BS1)							Prepared: 1	1/25/24 A	nalyzed: 11/25/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2448003-BSD1)							Prepared: 1	1/25/24 A	nalyzed: 11/25/24
Chloride	255	20.0	250		102	90-110	0.425	20	

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Rustler Breaks 2 Booster	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/26/24 09:50

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

Released to Imaging: 12/16/2024 4:49:30 PM

		·				Invoice inform	nation			_	L	ab Us	e O	nly				TA	T		<u> </u>		State	
Client Information			Compa	Company: Ensolum LLC			Lab	Lab WO# Job Numb				bor				_								
Client: Matador Production Company Project: Rustler Breaks 2 Booster				ss: 3122 National P	arks Hwy		- FL	F411757 17			2	3003-0002			믱	201	30 30	Sta	N			<u> </u>		
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Sample N	latrix: S - Soil, Sd	- Solid, Sg -	Sludge, A -	Aqueous, O - Oth				-10	ontainer	Typ	e:g-	glass,	p - p	oly/p!					5, V-1	TOA	1			
Note: Sa	mples are disc	arded 14 d	ays after i	results are repo	rted unless other	r arrangements are mad this COC. The liability of	le. Hazardous s of the laborator	amp	es will be	ret	urned t	o ciler	tore	ilspose	d of a						rt for th	e analys	is of the	e above
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Page _____ of _____

envirotech²⁵

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Matador Resources, LLC. D	ate Received:	11/23/24	09:15	Work Order ID:	E411252
Phone: (972) 371-5200 D	ate Logged In:	11/22/24	14:57	Logged In By:	Noe Soto
		ue Date:	11/25/24 17:00 (0 day TAT)			
Chain of C	ustody (COC)					
1. Does the	sample ID match the COC?		Yes			
	number of samples per sampling site location match	the COC	Yes			
3. Were sam	ples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the C	COC complete, i.e., signatures, dates/times, requested	1 analyses?	Yes			
Ν	samples received within holding time? Note: Analysis, such as pH which should be conducted in th .e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample Tur	<u>n Around Time (TAT)</u>					
6. Did the C	OC indicate standard TAT, or Expedited TAT?		Yes			
Sample Coo	<u>bler</u>					
7. Was a sam	nple cooler received?		Yes			
8. If yes, wa	s cooler received in good condition?		Yes			
9. Was the s	ample(s) received intact, i.e., not broken?		Yes			
10. Were cu	stody/security seals present?		No			
11. If yes, w	vere custody/security seals intact?		NA			
Ν	ample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re ninutes of sampling	<i>,</i>	Yes			
	ible ice, record the temperature. Actual sample ter	nperature: 4°	С			
Sample Cor						
	eous VOC samples present?		No			
-	C samples collected in VOA Vials?		NA			
	ad space less than 6-8 mm (pea sized or less)?		NA			
	ip blank (TB) included for VOC analyses?		NA			
	-VOC samples collected in the correct containers?		Yes			
	propriate volume/weight or number of sample container	s collected?	Yes			
Field Label						
I Iona Labor	- Id sample labels filled out with the minimum inform	ation:				
			X 7	I		
20. Were fie Sam	-		Yes			
20. Were fie Sam Date	e/Time Collected?		Yes			
20. Were fie Sam Date Coll	e/Time Collected? lectors name?					
20. Were fie Sam Date Coll Sample Pre	e/Time Collected? lectors name? <u>servation</u>		Yes Yes			
20. Were fie Sam Date Coll <u>Sample Pre</u> 21. Does the	FTime Collected? lectors name? l <mark>servation_</mark> e COC or field labels indicate the samples were press	erved?	Yes Yes No			
20. Were fie Sam Date Coll Sample Pre 21. Does the 22. Are sam	F/Time Collected? lectors name? s <u>servation</u> e COC or field labels indicate the samples were prese ple(s) correctly preserved?		Yes Yes No NA			
20. Were fie Sam Date Coll Sample Pre 21. Does the 22. Are sam 24. Is lab fil	F/Time Collected? lectors name? eservation e COC or field labels indicate the samples were prese ple(s) correctly preserved? teration required and/or requested for dissolved met		Yes Yes No			
 20. Were fie Sam Date Coll Sample Pre 21. Does the 22. Are sam 24. Is lab fil Multiphase 	F/Time Collected? lectors name? eservation e COC or field labels indicate the samples were prese ple(s) correctly preserved? teration required and/or requested for dissolved met: Sample Matrix	als?	Yes Yes No NA No			
20. Were fie Sam Date Coll Sample Pre 21. Does the 22. Are sam 24. Is lab fil Multiphase 26. Does the	E/Time Collected? lectors name? servation e COC or field labels indicate the samples were prese ple(s) correctly preserved? teration required and/or requested for dissolved mete Sample Matrix e sample have more than one phase, i.e., multiphase?	als?	Yes Yes No No No			
20. Were fie Sam Date Coll Sample Pre 21. Does the 22. Are sam 24. Is lab fil Multiphase 26. Does the	F/Time Collected? lectors name? eservation e COC or field labels indicate the samples were prese ple(s) correctly preserved? teration required and/or requested for dissolved met: Sample Matrix	als?	Yes Yes No NA No			
20. Were fie Sam Date Coll Sample Pre 21. Does the 22. Are sam 24. Is lab fil Multiphase 26. Does the 27. If yes, de	F/Time Collected? lectors name? eservation e COC or field labels indicate the samples were preserved(s) teration required and/or requested for dissolved meta Sample Matrix e sample have more than one phase, i.e., multiphase? oes the COC specify which phase(s) is to be analyze t Laboratory	als? d?	Yes Yes No No No NA			
20. Were fie Sam Date Coll Sample Pre 21. Does the 22. Are sam 24. Is lab fil Multiphase 26. Does the 27. If yes, de Subcontrac 28. Are sam	E/Time Collected? lectors name? servation e COC or field labels indicate the samples were prese ple(s) correctly preserved? teration required and/or requested for dissolved met Sample Matrix e sample have more than one phase, i.e., multiphase? oes the COC specify which phase(s) is to be analyze	als? d?	Yes Yes No No No			



Date

envirotech Inc.

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

NMOCD Correspondence

APPENDIX E





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

District III

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

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

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

QUESTIONS

Operator:	OGRID:				
MATADOR PRODUCTION COMPANY	228937				
One Lincoln Centre	Action Number:				
Dallas, TX 75240	246840				
	Action Type:				
	[NOTIFY] Notification Of Release (NOR)				

QUESTIONS

Location of Release Source				
Please answer all the questions in this group.				
Site Name	Rustler Breaks 2 Booster Station			
Date Release Discovered	08/01/2023			
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			
Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο			
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: 32 BBL Recovered: 0 BBL Lost: 32 BBL.			
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No			
Condensate Released (bbls) Details	Not answered.			
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Not answered.			
Other Released Details	Not answered.			
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.			

Page	1328eoj	f 851
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QUESTIONS

District I

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

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

District III

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

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

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

QUESTIONS (continued)

Operator:		OGRID:
MATADOR PRODUC	TON COMPANY	228937
One Lincoln Centre		Action Number:
Dallas, TX 75240		246840
		Action Type:
		[NOTIFY] Notification Of Release (NOR)

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 19.15.29.7(A) NMAC	Yes, major release.			
Reasons why this would be considered a submission for a notification of a major release	 Unauthorized release of a volume, excluding gases, of 25 barrels or more 			
If YES, was immediate notice given to the OCD, by whom	Clint Talley			
If YES, was immediate notice given to the OCD, to whom	OCD			
If YES, was immediate notice given to the OCD, when	08/01/2023			
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	website			
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 True environment Released materials have been contained via the use of berms or dikes, absorbent True pads, or other containment devices All free liquids and recoverable materials have been removed and managed True appropriately If all the actions described above have not been undertaken, explain why Not answered. Per 19.15.29.8 B. (4) 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all

information needed for closure evaluation in the follow-up C-141 submission.

Page 329 of 351

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

District III

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

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

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

ACKNOWLEDGMENTS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	246840
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

· · · · ·	
$\overline{\mathbf{v}}$	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
	l acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
	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.
V	I acknowledge the fact that 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.
V	I acknowledge the fact that, 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.

ACKNOWLEDGMENTS

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	246840
	Action Type:
	[NOTIEV] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
ctalley_mat	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/1/2023

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	nAPP2321360002
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Matador Production Company	OGRID 228937	
Contact Name Clint Talley	Contact Telephone (337) 319-8398	
Contact email clinton.talley@matadorresources.com	Incident # (assigned by OCD) nAPP2321360002	
Contact mailing address 5400 Lyndon B Johnson Fwy, Dallas, Texas 75240		

Location of Release Source

Latitude 32.25081

Longitude <u>-104.13487</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Rustler Breaks 2 Boster Station	Site Type Oil Well
Date Release Discovered 08/01/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	06	24S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)		
Produced Water	Volume Released (bbls) 32 bbls	Volume Recovered (bbls) 0 bbls		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes Xo		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Cause of Release: Discharge pump (bracket)				
$BBL \ Estimate = \left(Saturated \ Soil \ Volume \ (ft^3) \ /4.21 \ \left(\frac{ft^3}{bbl} equivalent\right)\right) x \ Estimated \ Soil \ Porosity \ (\%)$				
+ Recovered Fluids (bbl)				
On-Pad ((4,618 x 0.033) / 4.21)) x 0.15 = 5.43 bbls Off-Pad ((2,991 x 0.083) / 4.21)) x 0.45 = 26.53 bbls Total: 31.96 bbls				

eceived by OCD: 12/11/2024 12:00:41/AM State of New Mexico			Page 1333eof 3
JIIII C-141	Oil Conservation Division	Incident ID	nAPP2321360002
nge 2		District RP	
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC? ⊠ Yes □ No	If YES, for what reason(s) does the responsible par Volume exceeded 25 bbls.	ty consider this a major release	
	notice given to the OCD? By whom? To whom? When to NMOCD on 08/01/2023 via website.	nen and by what means (phone, o	email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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.

Printed Name: Clint Talley

Signature: ______ Clint Talley

email: <u>Clinton.talley@matadorresources.com</u>

Title: EHS Supervisor

Date: 08/02/2023

Telephone: <u>337-319-8398</u>

OCD Only

Received by: <u>Shelly Wells</u>

Date: <u>8/3/2023</u>

Received by OCD: 12/11/2024 12:00:41(AM Form C-14) State of New Mexico

Oil Conservation Division

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Incident ID	nAPP2321360002
District RP	
Es silitar ID	

Facility ID Application ID

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ¹ / ₂ -mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
Topographic/Aerial maps
Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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			Incident ID	nAPP2321360002
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			Facility ID	
			Application ID	
regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: Signature:		cations and perform cc CD does not relieve the t to groundwater, surfa esponsibility for comp Title: Date:	prrective actions for rele e operator of liability sh- ice water, human health liance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:		Date:		

Received by OCD: 12/11/2024 12:00:41(AM) State of New Mexico

Page 5

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	nAPP2321360002
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. 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. Printed Name: _____ Title: _____ Signature: _____ Date: Telephone: _____ email: OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Oil Conservation Division

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Incident ID	nAPP2321360002
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

<u>Closure Report Attachment Checklist</u> : Each of the following in	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)	
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

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

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	247168
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By Condition scwells None

CONDITIONS

Action 247168

Condition Date

8/3/2023

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

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QUESTIONS

Action 298436

QUESTIONS		
Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	298436	
	Action Type:	
	[NOTIFY] Notification Of Sampling (C-141N)	

QUESTIONS

Prerequisites	
Incident ID (n#) nAPP2321360002	
Incident Name	NAPP2321360002 RUSTLER BREAKS 2 BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Site Name	RUSTLER BREAKS 2 BOOSTER STATION
Date Release Discovered	08/01/2023
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,425
What is the estimated number of samples that will be gathered	46
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/22/2023
Time sampling will commence	09:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.25081, -104.13487

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	298436
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS Created Condition Condition Date By c_talley 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 12/29/2023 remediation closure samples not being accepted.

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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 368956

QUESTIONS	
Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	368956
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#) nAPP2321360002	
Incident Name	NAPP2321360002 RUSTLER BREAKS 2 BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name RUSTLER BREAKS 2 BOOSTER STATION	
Date Release Discovered	08/01/2023
Surface Owner	Private

Sampl	ing l	Event	General	Inf	format	ion

Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,600	
What is the estimated number of samples that will be gathered	8	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/05/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.25081°, -104.13487°)	

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	368956
	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.	7/31/2024

CONDITIONS

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

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QUESTIONS

Action 368958

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	368958
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2321360002	
Incident Name	NAPP2321360002 RUSTLER BREAKS 2 BOOSTER STATION @ 0	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	

Location of Release Source Site Name RUSTLER BREAKS 2 BOOSTER STATION Date Release Discovered 08/01/2023 Surface Owner Private

Sampling	Event	General	Information

Please answer all the questions in this group.			
What is the sampling surface area in square feet	1,600		
What is the estimated number of samples that will be gathered	8		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2024		
Time sampling will commence	09:00 AM		
Please provide any information necessary for observers to contact samplers	N/A		
Please provide any information necessary for navigation to sampling site	32.25081°, -104.13487°)		

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	368958
	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.	7/31/2024

CONDITIONS

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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

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Action 410384

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	410384
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
nAPP2321360002	
NAPP2321360002 RUSTLER BREAKS 2 BOOSTER STATION @ 0	
Produced Water Release	
Deferral Request Received	
N F	

Location of Release Source

Please answer all the questions in this group.	
Site Name	RUSTLER BREAKS 2 BOOSTER STATION
Date Release Discovered	08/01/2023
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: 32 BBL Recovered: 0 BBL Lost: 32 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

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Action 410384

QUESTIONS (continued)	
Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	410384
	Action Type:

[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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	e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
Subsection A or 19.15.29.11 NMAC), please prepare and attach an information needed for closure evaluation in the follow-up C-1+1 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are require to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/10/2024

General Information Phone: (505) 629-6116

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

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

ſ	Operator:	OGRID:	
	MATADOR PRODUCTION COMPANY	228937	
	One Lincoln Centre	Action Number:	
	Dallas, TX 75240	410384	
		Action Type:	
		[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS (continued)

QUESTIONS

Site Characterization

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

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

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in millig	rams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	21400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	55.3
GRO+DRO (EPA SW-846 Method 8015M)	55.3
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	11/22/2024
On what date will (or did) the final sampling or liner inspection occur	09/03/2024
On what date will (or was) the remediation complete(d)	09/03/2024
What is the estimated surface area (in square feet) that will be reclaimed	7929
What is the estimated volume (in cubic yards) that will be reclaimed	1379
What is the estimated surface area (in square feet) that will be remediated	7929
What is the estimated volume (in cubic yards) that will be remediated	1379
These estimated dates and measurements are recognized to be the best guess or calculation at the til	ne of submission and may (be) change(d) over time as more remediation efforts are completed.

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

QUESTIONS, Page 3

Action 410384

Page 347 of 351

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

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QUESTIONS, Page 4

Action 410384

QUESTIONS (continued)		
Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	410384	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Remediation Plan (continued)

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

local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/10/2024

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

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

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QUESTIONS, Page 5

Action 410384

QUESTIONS	(continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	410384
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each o	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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Deferral Area is directly beneath electric panels and water transfer pumps.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	200
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	3.7
	liately under or around production equipment such as production tanks, wellheads and pipelines where n may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-44240 RUSTLER BREAKS SWD #002
Contamination does not cause an imminent risk to human health, the environment, or groundwater	Тгие
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed en which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or Name: Jason Touchet
I hereby agree and sign off to the above statement	Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/10/2024

General Information Phone: (505) 629-6116

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QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	410384
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	404455	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/22/2024	
What was the (estimated) number of samples that were to be gathered	3	
What was the sampling surface area in square feet	600	

Remediation Closure Request

 Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

 Requesting a remediation closure approval with this submission

 No

QUESTIONS, Page 6

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	410384
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS			
Crea	ted By	Condition	Condition Date
sci	vells	Deferral approved. Deferral of FS23 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	12/16/2024