E N S O L U M

October 27, 2023

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

Re: Closure Request Margarita 13 Federal Com #005H Incident Number nAPP2306635043 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Margarita 13 Federal Com #005H (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2306635043.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 13, Township 21 South, Range 32 East, in Lea County, New Mexico (32.4816612°, -103.6253408°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On March 1, 2023, a pipe connection on a temporary flowline from the minion tank failed, resulting in the release of approximately 21 barrels (bbls) of produced water onto the pad. Advance Energy Partners Hat Mesa LLC (Advance) reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on March 7, 2023, and submitted a Release Notification Form C-141 (Form C-141) on March 7, 2023. The release was assigned Incident Number nAPP2306635043 (Appendix A). Following the release, Matador acquired the Site from Advance and all remediation efforts and soil sampling activities were completed on behalf of Matador.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Margarita 13 Federal Com #005H

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The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, CP 01877 POD1, located approximately 0.29 miles northwest of the Site. The well had a reported depth to groundwater greater than 105 feet below ground surface (bgs) and a total depth of 105 feet bgs. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a wetland area, located approximately 1,737 feet 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 not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On August 4, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Four preliminary soil samples (SS01 through SS04) were collected around the release extent at a depth of approximately 0 feet bgs to assess the lateral extent of the impacted soil. The preliminary soil samples were field screened for chloride utilizing the MOHR titration method. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix C.

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

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On August 24, 2023, Ensolum personnel were at the Site to oversee vertical delineation activities. Boreholes were advanced via hand auger within the release extent to assess the vertical extent of the release. Borehole (BH01) was advanced to a depth of 0.5 feet bgs and borehole BH02 was advanced to a depth of 2 feet bgs. Borehole (BH01) hit refusal at a depth of 0.5 feet bgs due to a layer of indurated

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caliche. Delineation soil samples were collected from each borehole at depths ranging from 0 feet to 2 feet bgs. Soil from the delineation boreholes were field screened for chloride utilizing the MOHR titration method. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix D. The potholes and delineation soil sample locations are depicted on Figure 2.

Laboratory analytical results for all delineation soil samples indicated all COC concentrations were compliant with the Closure Criteria; however, laboratory analytical results for delineation soil samples BH01 and BH02 at 0-foot bgs indicated the chloride concentrations exceeded the reclamation requirement. While these two soil samples are on pad in an active production area, the proximity of the soil to the pasture and the ability to access the soil for reclaiming was taken into consideration. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix E.

Starting on September 28, 2023, waste-containing soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for delineation soil samples. Excavation activities were performed using a backhoe and belly dump trucks. The excavation occurred on the well pad near a transfer poly line. To direct excavation activities, Ensolum personnel screened soil for TPH and chloride utilizing a PetroFLAG[®] and Hach[®] chloride QuanTab[®] test strips, respectively.

Following removal of waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor and 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. Composite soil samples FS01 through FS21 were collected from the floor of the excavation at depths ranging from 2 feet to 2.5 feet bgs. Composite soil samples SW01 and SW04 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 2 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 3,723 square feet. A total of approximately 350 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the R360 Facility in Carlsbad, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor soil samples (FS01 through FS17), (FS19 through FS21) and for sidewall soil samples (SW01 through SW04) indicated all COC concentrations were compliant with the Site Closure Criteria and with the reclamation requirement. Excavation floor sample FS18 exceeded the reclamation requirement for chloride at 2 feet bgs, however it was well below the Site Closure Criteria. Laboratory analytical results are summarized in Tables 1 through 3 and the complete laboratory analytical reports are included as Appendix E.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the March 2023 release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria. Additionally, laboratory analytical results indicated that COC concentrations for excavation soil samples (FS01 through FS17), (FS19 through FS21) and sidewall soil samples (SW01 through SW04) were all in compliance with the reclamation requirement. Excavation floor sample, FS18 exceeded the

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reclamation requirement for chloride at 2 feet bgs, however it was below the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required. Matador will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Excavation of waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 105 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2306635043.

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 Engineer

Daniel R. Moir, PG Senior Managing Geologist

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1
 Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2
 Soil Sample Analytical Results (Excavation Soil Samples)
- Table 3
 Soil Sample Analytical Results (Sidewall Soil Samples)
- Appendix A Form C-141
- Appendix B Referenced Well Records
- Appendix C Photographic Log
- Appendix D Lithologic / Soil Sampling Logs
- Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix F NMOCD Notifications

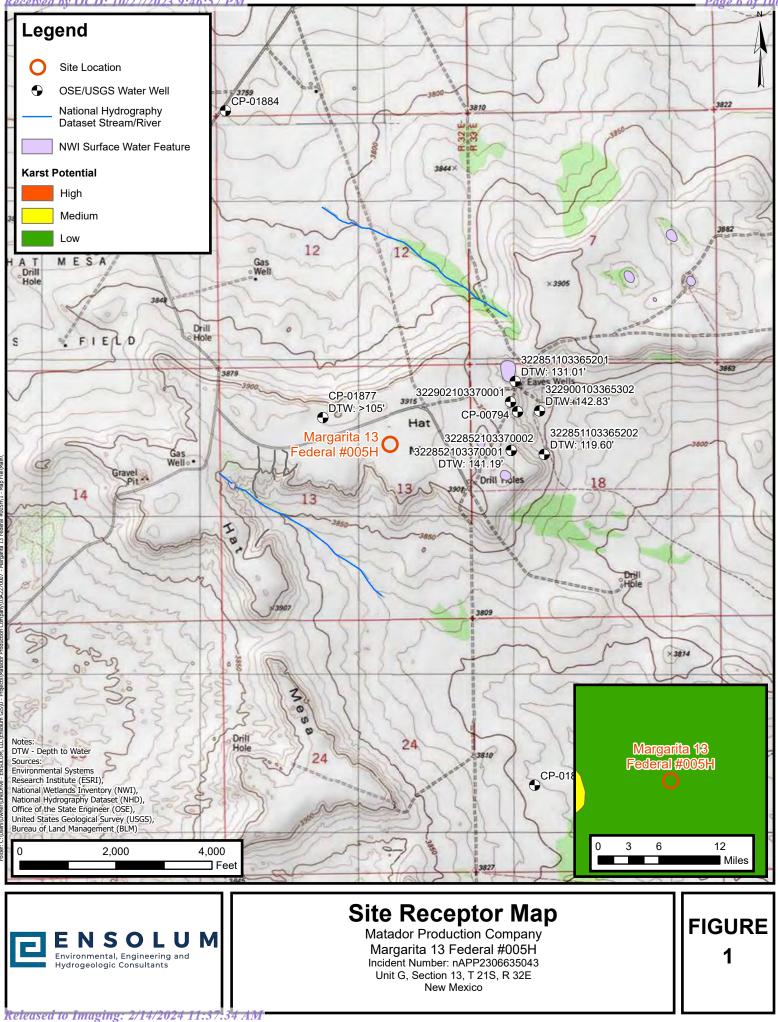


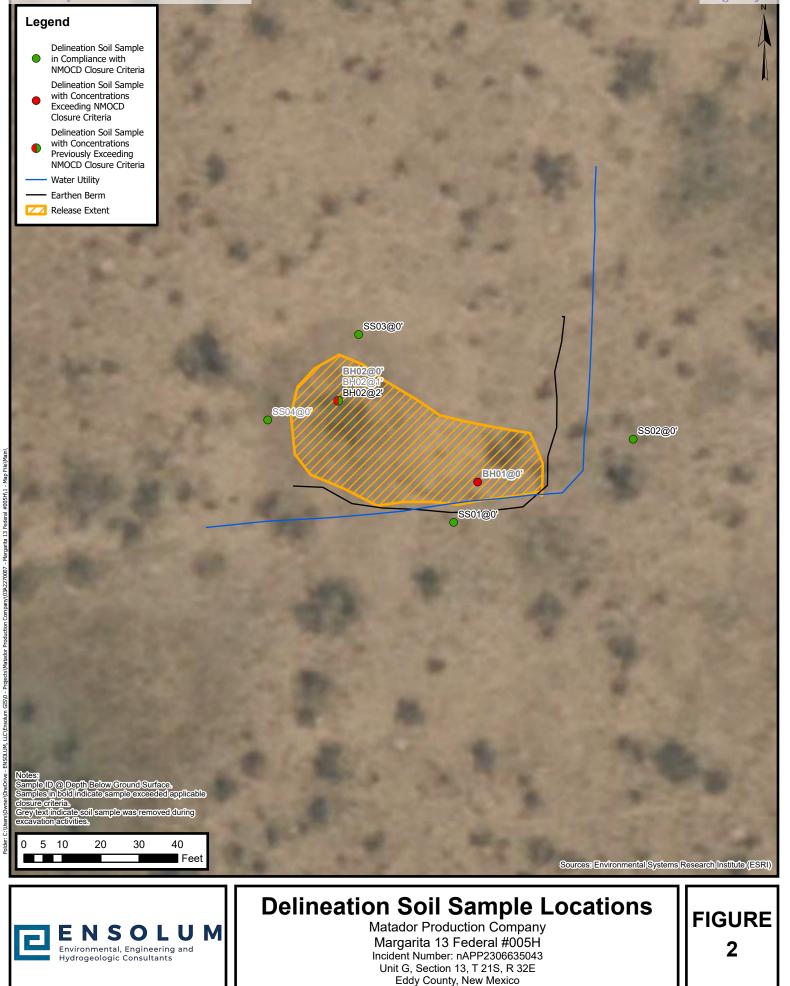
FIGURES

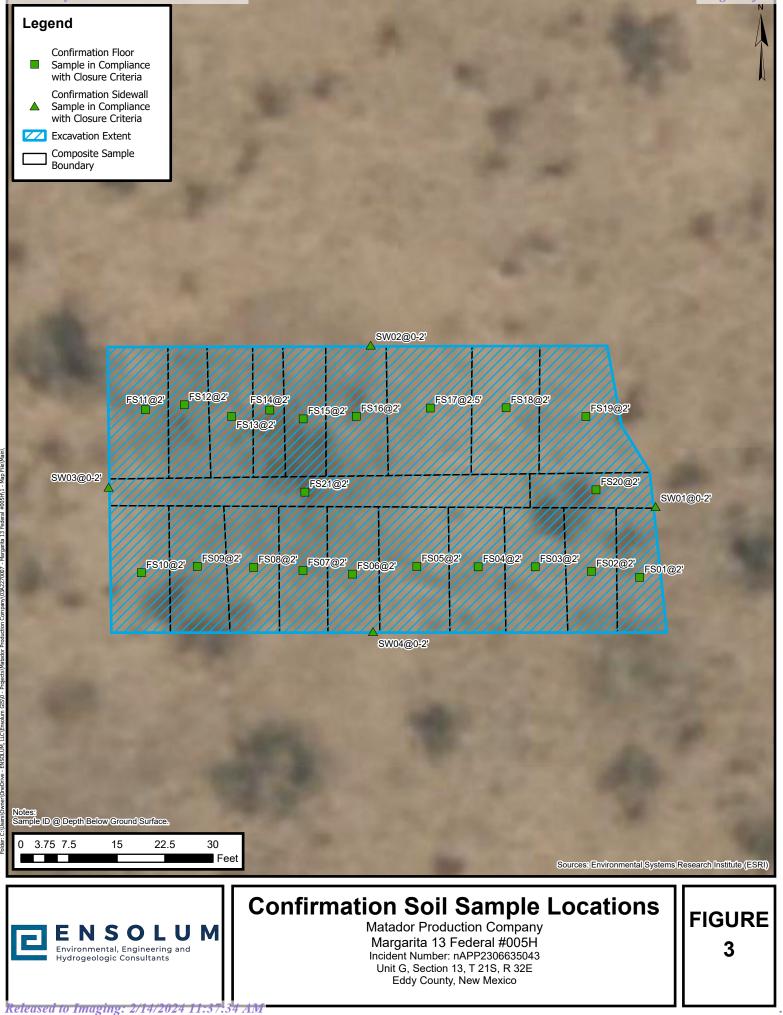
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TABLES

E N S O L U M

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Margarita Federal 13 Com #005H Matador Production Company Eddy County, New Mexico									
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
		·		Deli	neation Soil Sam	ples		·		
SS01	08/04/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	175
SS02	08/04/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	42.3
SS03	08/04/2023	0	<0.025	<0.025	<20.0	26.0	<50.0	<20.0	26.0	463
SS04	08/04/2023	θ	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	176
BH01	08/04/2023	θ	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	9,990
BH02	08/04/2023	θ	<0.025	<0.025	<u><20.0</u>	<u><25.0</u>	<50.0	<u><20.0</u>	<u><20.0</u>	11,400
BH02	08/24/2023	4	<0.025	<0.025	<u><20.0</u>	<u><25.0</u>	<50.0	<u><20.0</u>	<u><20.0</u>	585
BH02	08/24/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	20.5

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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				Margarit Matado	TABLE 2 LE ANALYTICA ta Federal 13 Color or Production Color county, New Mage	m #005H 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	1,000	2,500	20,000
-				Exca	avation Soil Sam	ples		I		
FS01	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	305
FS02	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	346
FS03	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	447
FS04	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	350
FS05	10/18/2023	3	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	545
FS06	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	185
FS07	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	26.0	255
FS08	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	170
FS09	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	313
FS10	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	336
FS11	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	357
FS12	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	225
FS13	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	237
FS14	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	225
FS15	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	225
FS16	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	344
FS17	10/18/2023	2.5	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	156
FS18	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	666
FS19	10/18/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	371
FS20	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	242
FS21	10/17/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	341

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.

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

E N S O L U M

TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Margarita Federal 13 Com #005H Matador Production Company Eddy County, New Mexico										
Sample Designation										
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
		`		Sic	dewall Soil Samp	les	·			
SW01	10/17/2023	0-2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	169
SW02	10/17/2023	0-2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	144
SW03	SW03 10/17/2023 0-2 <0.025 <20.0 26.0 <50.0 <20.0 26.0 189								189	
SW04	10/18/2023	0-2	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	46.9

Notes:

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

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



APPENDIX A

Form C-141

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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	nAPP2306635043
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Advance Energy Partners Hat Mesa LLC	OGRID: 372417
Contact Name: Andrew Parker	Contact Telephone: 832-672-4700 (office)
Contact email: aparker@ameredev.com	Incident # nAPP2306635043
Contact mailing address: 11490 Westheimer Rd. Suite 950. Houston, TX 77077	

Location of Release Source

Latitude 32.4816612_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Margarita 5H 20230301-1600-completions	Site Type Production Site
Date Release Discovered 03/01/2023	API# (<i>if applicable</i>) 30-025-47199

Unit Letter	Section	Township	Range	County
G	13	21S	32E	Lea

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) 21	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
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 Pipe c	onnection on temporary flowline along outlet from mini	ion tank failed.

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
19.10.29.7 (11) 14.11 10.1	
🗌 Yes 🖾 No	
If YES, was immediate ne	otice given to the OCD? By whom? To whom? When and by what means (phone, 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 <u>not</u> been undertaken, explain why:

Free liquids infiltrated into subsurface.

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: <u>Andrew Parker</u>	Title: <u>Env. Scientist</u>
Signature:	Date: _03/07/2023
email: <u>aparker@ameredev.com</u> Telephone:	970-570-9535
OCD Only	
Received by: Jocelyn Harimon D	Date:03/08/2023

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?	<u>>55</u> (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

Page 3

- Data table of soil contaminant concentration data
- \square 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	nAPP2306635043
age 4	Oil Conservation Divisi	ion	District RP	
			Facility ID	
			Application ID	
public health or the envir failed to adequately invest	t. Tallsy	the OCD does not relieve the a threat to groundwater, surfa	e operator of liability sh ace water, human health liance with any other fe	ould their operations have or the environment. In
OCD Only Received by: <u>Shelly V</u>	Vells	Date: <u>10/30</u>	/2023	

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Oil Conservation Division

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Incident ID	nAPP2306635043
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.

Closure Report Attachment Checklist: Each of the following 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 ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. ______Title: EHS Supervisor Printed Name: Clint Tallev Signature: <u>Clint Talley</u> Date: <u>08/29/2023</u> email: Clinton.talley@matadorresorces.com Telephone: 337-319-8398 **OCD Only** Received by: <u>Shelly Wells</u> Date: <u>10/30/2023</u> Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: _____ Date: _____ Printed Name: Title:



APPENDIX B

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

N	OSE POD NO POD1 (T		10.)			WELL 1 n/a	FAG ID NO.			OSE FI C 187	LE NO(5). CP-15877			
CATIO	WELL OWNI			ers						1	E (OPTI) 72.470	ONAL)			
GENERAL AND WELL LOCATION	WELL OWNI 11490 Wes	ER MAILI	NG AD	DRESS			<u> </u>			CITY Houst	on		STATE TX	77077	ZIP
M QI				DE	GREES	MIN	UTES	SECO	NDS	1					
AL AP	WELL LOCATIO	N L	ATITU	JDE	32	2	28	59.	.64 N			REQUIRED: ONE TEN	TH OF A	SECOND	
NER	(FROM GP	'S)	ONGI	TUDE	103	3	37	47.	.48 W	* DAT	UM REQ	QUIRED: WGS 84			
1. GE	DESCRIPTION SE NE NW				STREET ADD	RESS ANI	D COMMON	LANDM	ARKS – PI	SS (SECTI	ION, TO	WNSHJIP, RANGE) WH	ERE AV/	AILABLE	
	LICENSE NO 124		N	AME OF LICENSED		Jackie I	D. Atkins					NAME OF WELL DR Atkins Eng			s, Inc.
	DRILLING S' 09/21/		D	09/21/2021	DEPTH OF CO tempo		D WELL (FT 11 materia)	-	BORE H	DLE DEPT 105	H (FT)	DEPTH WATER FIR	ST ENCO n/a		FT)
Z	COMPLETEI	O WELL IS	s: [ARTESIAN	DRY HO	LE [SHALLO	W (UNCO	ONFINED)			STATIC WATER LEV	/EL IN CO n/a		WELL (FT)
ATIO	DRILLING F	LUID:	0	AIR	MUD		ADDITIVI	es – spe	CIFY:			**			
ORM	DRILLING M	ETHOD:		ROTARY	HAMME	R [CABLE TO	DOL	Г отн	ER – SPEC	JFY:	Hollo	w Sten	1 Auger	
2. DRILLING & CASING INFORMATION	DEPTH FROM	(feet bgl) TO		BORE HOLE DIAM (inches)	(include	GRA each cas	ing string,			ASING NECTIO	DN	CASING INSIDE DIAM. (inches)	TH	ING WAL ICKNESS (inches)	L SLOT SIZE (inches)
CAS	0	105	-	±6.5		sections Boring-	of screen) HSA		(add cou	pling dian 	icter)				
NG &															
DR															
7															_
د.	DEPTH			BORE HOLE DIAM. (inches)			ULAR SE					AMOUNT (cubic feet)			HOD OF EMENT
3. ANNULAR MATERIAL	FROM	то		DIAM. (menes)	ORA		ACK SIZE-			CKVAL		(cubic feet)		TEAC	
ATE															
RM															
DILA															· · · ·
IN		-													
3. A												OSE DIT O	01/22	2021 🕬	245
FOR	OSE INTER									•	WR-2	0 WELL RECORD	& LOG	(Version 0	6/30/17)
FILE	<u> NO. (</u>	<u>P-19</u>	57	7	7~		POD NO				TRN	¥++	50	1	
LOC	ATION	Non		215.	32E.	13.	124	4		WELL	TAG I	D NO.		PA	GE 1 OF 2

-

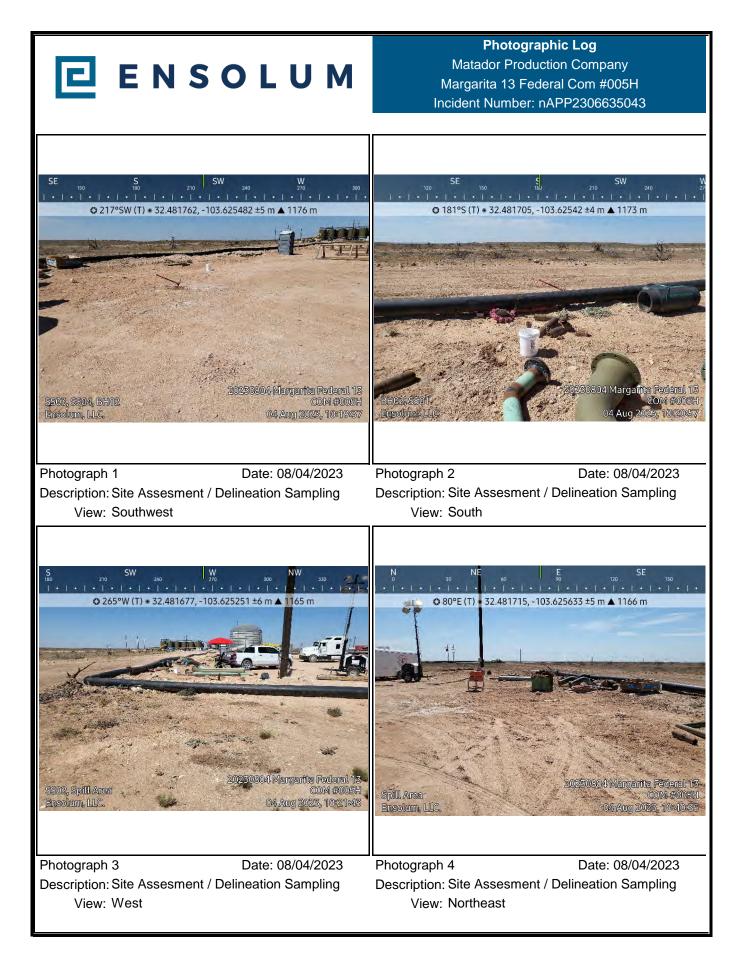
	DEPTH (1 FROM	eet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED INCLUDE WATER-BEARING CAVITIES OR FRACTURE 2 (attach supplemental sheets to fully describe all units)	ZONES	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	19	19	Caliche, consolidated with sand, White		Y VN	Derize (Brin)
	19	29	10	Sand, Fine-grained, poorly graded, Tan		Y VN	
	29	105	76	Sand, Fine-grained, poorly graded, Reddish Brown		Y √N	
	27	105		Y N			
						Y N	
						Y N	
ELI						Y N	
DF W					<u></u>	Y N	;
000						Y N	
U C C				· · · · · · · · · · · · · · · · · · ·		Y N	
150						Y N	
EOL				· · · · · · · · · · · · · · · · · · ·	· · · ·	Y N	
4. HYDROGEOLOGIC LOG OF WELL						Y N	
ĬQX				· · · · · · · · · · · · · · · · · · ·		Y N	
4. H						Y N	
						Y N	
						Y N	
:				······································		Y N	
						Y N	
						Y N	
						Y N	
	METHOD U	ISED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	тот	AL ESTIMATED	
	PUM			BAILER OTHER - SPECIFY:		LL YIELD (gpm):	0.00
NOIS	WELL TES	T TEST STAR	RESULTS - ATT T TIME, END TI	ACH A COPY OF DATA COLLECTED DURING WELL TESTIN ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOW	G, INCLUD N OVER TH	ING DISCHARGE M IE TESTING PERIO	IETHOD, D.
TEST; RIG SUPERVISI	MISCELLA	NEOUS INF	ie	emporary well materials removed and the soil boring backfille et below ground surface, then hydrated bentonite chips from t ogs adapted from WSP on-site geologist.	ed using dri en feet belo	ll cuttings from tot ow ground surface	al depth to ten to surface.
TEST	PRINT NAN	IE(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL	CONSTRU	CTION OTHER TH	AN LICENSEE:
5.1	Shane Eldri	dge, Carme	elo Trevino, Car	neron Pruitt			
SIGNATURE	CORRECT I	RECORD O	F THE ABOVE I	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE ANI DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS W 0 DAYS AFTER COMPLETION OF WELL DRILLING:	ELL RECO	the foregoing is rd with the sta DM OCT 22202	TE ENGINEER
	Jack K	tkins		Jackie D. Atkins		10-22-2021	
¢.		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
FOI	R OSE INTEB			<u>م</u> رين		CORD & LOG (Ver	sion 06/30/2017)
	E NO.	<i>P-</i> 1	87-7	POD NO. TRN 1		19930	
LO	CATION	hon	<u></u> 21	5.32E.13.124 WELL TAG II	_		PAGE 2 OF 2
							<u>. </u>



APPENDIX C

Photographic Log

Released to Imaging: 2/14/2024 11:37:34 AM









APPENDIX D

Lithologic Soil Sampling Logs

•

								Sample Name: BH01	Date: 8/24/23			
			N	C	ΟΙ		Μ	Site Name: Margarita 13 Fec	leral Com #015H			
								Incident Number: nAPP2306	635043			
								Job Number: 03A2270007				
					SAMPLING	6 LOG		Logged By: Cole Burton	Method: Hand Auger			
oorc	linates: 3	2.48162,	103.6	2538				Hole Diameter: 3"	Total Depth: 0.5'			
omn	nents:											
Content	ride n)	or n)	ing	le ID	Sample	Depth	Rock bol					
Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol	Lithologi	c Descriptions			
D			Y	BH01	0	0	ССНЕ	Caliche: Medium brown sand, so	ome caliche, staining			
					-	0.5		Caliche Rock				
	1	1					epth 0.5					
		\mathbf{N}										

•

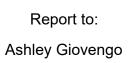
Ste kame: Margarita 13 Federal Com M015H Incident Number: InAPP23063503 Job Number: 30A2270007 LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.48168, -103.62550 Hole Diameter: 3" Total Depth: 2'2" Comments: Field screening conducted with MDMR titration method for choride, respectively. Chloride test performed with 11 dilution factor of solid de distilled water. No correction factors included. attent of solid of distilled water. No correction factors included. Lithologic Descriptions D Incident Number: and Number: and Number: and Number and Number and Number: and Numer: and Number: and Number: and Number: and Numb									Sample Name: BH02	Date: 8/24/23			
Job Number: 03A2270007 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Burton Method: Hand Auger Coordinates: 32.48168 , -103.62550 Hole Diameter: 3" Total Depth: 2' 2" Comments: Field screening conducted with MOHR titration method for chloride, respectively. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. any tig by (m d) of grad by					C								
Job Number: 03A2270007 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Burton Method: Hand Auger Coordinates: 32.48168 , -103.62550 Hole Diameter: 3" Total Depth: 2' 2" Comments: Field screening conducted with MOHR titration method for choride, respectively. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. ant total begin be				IN	3								
Coordinates: 32.48168 , -103.62550 Total Depth: 2' 2" Comments: Field screening conducted with MOHR titration method for chloride, respectively. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. and factor of soil to distilled water. No correction factors included. Depth (ft bgs) Lithologic Descriptions D Y BH02 1 1 SP-SC Sand & clay: Dark brown, High placticity, highly cohesive M 400 BH02 2 2 SP-SC Sand & clay: Medium brown, High placticity, highly cohesive									Job Number: 03A2270007				
Coordinates: 32.48168 , -103.62550 Total Depth: 2' 2" Comments: Field screening conducted with MOHR titration method for chloride, respectively. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included. and factor of soil to distilled water. No correction factors included. Depth (ft bgs) Lithologic Descriptions D Y BH02 1 1 SP-SC Sand & clay: Dark brown, High placticity, highly cohesive M 400 BH02 2 2 SP-SC Sand & clay: Medium brown, High placticity, highly cohesive			LITHOL	OGI	C / SOIL S	SAMPLING	G LOG		Logged By: Cole Burton	Method: Hand Auger			
factor of soil to distilled water. No correction factors included. ant to find to fin	Coordi	Coordinates: 32.48168 , -103.62550											
D Y BH02 0 0 CCHE Caliche: Medium brown sand, some caliche, staining M 600 BH02 1 1 SP-SC Sand & clay: Dark brown, High placticity, highly cohesive M 400 BH02 2 2 SP-SC Sand & clay: Medium brown, High placticity, highly cohesive M 400 BH02 2 2 CCHE Caliche and rock				-				nod for ch	loride, respectively. Chloride test	performed with 1:1 dilution			
M 600 BH02 1 1 SP-SC Sand & clay: Dark brown, High placticity, highly cohesive M 400 BH02 2 2 SP-SC Sand & clay: Medium brown, High placticity, highly cohesive V 400 BH02 2 2 CCHE Caliche and rock		Chloride (ppm)	Vapor (ppm)	Staining		Depth (ft bgs)	-		Lithologic De	escriptions			
M 400 BH02 2 2 SP-SC Sand & clay: Medium brown, High placticity, highly cohesive	D			Y	BH02	0]	L O	CCHE	Caliche: Medium brown sand, some of	caliche, staining			
2.2 CCHE Caliche and rock	М	600			BH02	- 1 -		SP-SC	Sand & clay: Dark brown, High plactic	city, highly cohesive			
	М	400			BH02	2	2	SP-SC	Sand & clay: Medium brown, High pla	acticity, highly cohesive			
						-	2.2	CCHE	Caliche and rock				
							Total D	Depth 2.2	2' bgs.				
	1												



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

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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: Margarita Federal 13 Com #005H

Work Order: E308046

Job Number: 23052-0001

Received: 8/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/11/23

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: 8/11/23

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



Page 31 of 106

Project Name: Margarita Federal 13 Com #005H Workorder: E308046 Date Received: 8/8/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2023 8:15:00AM, under the Project Name: Margarita Federal 13 Com #005H.

The analytical test results summarized in this report with the Project Name: Margarita Federal 13 Com #005H 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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Received by OCD: 10/27/2023 9:46:57 PM

Sample Summary

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		Sumple Sum	illal y		
Matador Resources, LLC.		Project Name:	Margarita Federal 13	3 Com #005H	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		Reported.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		08/11/23 09:48
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S01-0'	E308046-01A	Soil	08/04/23	08/08/23	Glass Jar, 2 oz.
S02-0'	E308046-02A	Soil	08/04/23	08/08/23	Glass Jar, 2 oz.
'S03-0'	E308046-03A	Soil	08/04/23	08/08/23	Glass Jar, 2 oz.
'S04-0'	E308046-04A	Soil	08/04/23	08/08/23	Glass Jar, 2 oz.
3H01-0'	E308046-05A	Soil	08/04/23	08/08/23	Glass Jar, 2 oz.
3H02-0'	E308046-06A	Soil	08/04/23	08/08/23	Glass Jar, 2 oz.



		-					
Matador Resources, LLC.	Project Name		garita Feder				
5400 LBJ Freeway, Suite 1500	Project Num		52-0001		Reported:		
Dallas TX, 75240	Project Mana	ager: Ashl	ley Gioveng		8/11/2023 9:48:44AM		
		SS01-0'					
		E308046-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion Pro	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2332023
Benzene	ND	0.0250	1	08	/08/23	08/09/23	
Ethylbenzene	ND	0.0250	1	08	/08/23	08/09/23	
Toluene	ND	0.0250	1	08	/08/23	08/09/23	
o-Xylene	ND	0.0250	1	08	/08/23	08/09/23	
p,m-Xylene	ND	0.0500	1	08	/08/23	08/09/23	
Total Xylenes	ND	0.0250	1	. 08	/08/23	08/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08	/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	08	/08/23	08/09/23	
Surrogate: Toluene-d8		100 %	70-130	08.	/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2332023
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 08	/08/23	08/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08.	/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	08.	/08/23	08/09/23	
Surrogate: Toluene-d8		100 %	70-130	08.	/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2332031
Diesel Range Organics (C10-C28)	ND	25.0	1	. 08	/08/23	08/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08	/08/23	08/08/23	
Surrogate: n-Nonane		96.5 %	50-200	08.	/08/23	08/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA			Batch: 2332026
Chloride	175	20.0	1	08	/08/23	08/08/23	





Received by OCD: 10/27/2023 9:46:57 PM

Sample Data

		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb		garita Fede 52-0001	eral 13 C	Com #005H		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Gioven		8/11/2023 9:48:44AM		
		SS02-0'					
		E308046-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2332023
Benzene	ND	0.0250		1	08/08/23	08/09/23	
Ethylbenzene	ND	0.0250		1	08/08/23	08/09/23	
Toluene	ND	0.0250		1	08/08/23	08/09/23	
o-Xylene	ND	0.0250		1	08/08/23	08/09/23	
o,m-Xylene	ND	0.0500		1	08/08/23	08/09/23	
Total Xylenes	ND	0.0250		1	08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/08/23	08/09/23	
Surrogate: Toluene-d8		102 %	70-130		08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2332023
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/08/23	08/09/23	
Surrogate: Toluene-d8		102 %	70-130		08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2332031
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/23	08/08/23	
Dil Range Organics (C28-C36)	ND	50.0		1	08/08/23	08/08/23	
Surrogate: n-Nonane		102 %	50-200		08/08/23	08/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2332026
Chloride	42.3	20.0		1	08/08/23	08/08/23	



Received by OCD: 10/27/2023 9:46:57 PM

Sample Data

	~	ampic D						
Matador Resources, LLC.	Project Name:	Mar	garita Fed	eral 13 C	Com #005H			
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2305	52-0001	Reported:				
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	ngo			8/11/2023 9:48:44AM	
		SS03-0'						
		E308046-03						
		Reporting						
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2332023	
Benzene	ND	0.0250		1	08/08/23	08/09/23		
Ethylbenzene	ND	0.0250		1	08/08/23	08/09/23		
Toluene	ND	0.0250		1	08/08/23	08/09/23		
p-Xylene	ND	0.0250		1	08/08/23	08/09/23		
p,m-Xylene	ND	0.0500		1	08/08/23	08/09/23		
Fotal Xylenes	ND	0.0250		1	08/08/23	08/09/23		
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/23	08/09/23		
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		08/08/23	08/09/23		
Surrogate: Toluene-d8		101 %	70-130		08/08/23	08/09/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2332023	
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/23	08/09/23		
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/23	08/09/23		
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		08/08/23	08/09/23		
Surrogate: Toluene-d8		101 %	70-130		08/08/23	08/09/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2332031	
Diesel Range Organics (C10-C28)	26.0	25.0		1	08/08/23	08/08/23		
Dil Range Organics (C28-C36)	ND	50.0		1	08/08/23	08/08/23		
Surrogate: n-Nonane		106 %	50-200		08/08/23	08/08/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2332026	
Chloride	463	20.0		1	08/08/23	08/08/23		



Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230.	garita Fede 52-0001 ley Gioven		Com #005H		Reported: 8/11/2023 9:48:44AM
		SS04-0'					
		E308046-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2332023
Benzene	ND	0.0250		1	08/08/23	08/09/23	
Ethylbenzene	ND	0.0250		1	08/08/23	08/09/23	
Toluene	ND	0.0250		1	08/08/23	08/09/23	
-Xylene	ND	0.0250		1	08/08/23	08/09/23	
o,m-Xylene	ND	0.0500		1	08/08/23	08/09/23	
Fotal Xylenes	ND	0.0250		1	08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		08/08/23	08/09/23	
Surrogate: Toluene-d8		101 %	70-130		08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2332023
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130		08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		08/08/23	08/09/23	
urrogate: Toluene-d8		101 %	70-130		08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KM		Batch: 2332031
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/23	08/08/23	
Dil Range Organics (C28-C36)	ND	50.0		1	08/08/23	08/08/23	
Surrogate: n-Nonane		110 %	50-200		08/08/23	08/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2332026
Chloride	176	20.0		1	08/08/23	08/08/23	



Sample Data

	D	ample D					
Matador Resources, LLC.	Project Name	:: Mar	garita Feder	ral 13 Co	m #005H		
5400 LBJ Freeway, Suite 1500	Project Numb	per: 2305	52-0001		Reported:		
Dallas TX, 75240	Project Mana	ger: Ashi	ley Gioveng	go			8/11/2023 9:48:44AM
		BH01-0'					
		E308046-05					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2332023
Benzene	ND	0.0250	1		08/08/23	08/09/23	
Ethylbenzene	ND	0.0250	1		08/08/23	08/09/23	
Toluene	ND	0.0250	1		08/08/23	08/09/23	
p-Xylene	ND	0.0250	1		08/08/23	08/09/23	
p,m-Xylene	ND	0.0500	1		08/08/23	08/09/23	
Total Xylenes	ND	0.0250	1		08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130		08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		08/08/23	08/09/23	
Surrogate: Toluene-d8		99.6 %	70-130		08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2332023
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130		08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		08/08/23	08/09/23	
Surrogate: Toluene-d8		99.6 %	70-130		08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: ŀ	KM		Batch: 2332031
Diesel Range Organics (C10-C28)	ND	25.0	1		08/08/23	08/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1		08/08/23	08/08/23	
Surrogate: n-Nonane		105 %	50-200		08/08/23	08/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: H	BA		Batch: 2332026
Chloride	9990	400	20	0	08/08/23	08/09/23	



Sample Data

	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ample D				
Matador Resources, LLC.	Project Name	e: Mar	garita Federa	l 13 Com #005H		
5400 LBJ Freeway, Suite 1500	Project Numl	ber: 230	52-0001			Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo	)		8/11/2023 9:48:44AM
		BH02-0'				
		E308046-06				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: IY		Batch: 2332023
Benzene	ND	0.0250	1	08/08/23	08/09/23	
Ethylbenzene	ND	0.0250	1	08/08/23	08/09/23	
Toluene	ND	0.0250	1	08/08/23	08/09/23	
p-Xylene	ND	0.0250	1	08/08/23	08/09/23	
o,m-Xylene	ND	0.0500	1	08/08/23	08/09/23	
Total Xylenes	ND	0.0250	1	08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130	08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	08/08/23	08/09/23	
Surrogate: Toluene-d8		101 %	70-130	08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2332023
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/23	08/09/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130	08/08/23	08/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	08/08/23	08/09/23	
urrogate: Toluene-d8		101 %	70-130	08/08/23	08/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: KM		Batch: 2332031
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/23	08/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/08/23	08/08/23	
Surrogate: n-Nonane		111 %	50-200	08/08/23	08/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2332026
Chloride	11400	400	20	08/08/23	08/09/23	



# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	argarita Federal 052-0001 shley Giovengo	13 Com	a #005H			<b>Reported:</b> 8/11/2023 9:48:44AM
		Volatile Organic	Сотро	unds by EPA	82601	3			Analyst: IY
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 (2332023-BLK1)							Prepared: 08	8/08/23 A	nalyzed: 08/09/23
Benzene	ND	0.0250					1		
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	0.506	0.0250	0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS (2332023-BS1)							Prepared: 08	8/08/23 A	nalyzed: 08/09/23
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.34	0.0250	2.50		93.5	70-130			
Toluene	2.41	0.0250	2.50		96.3	70-130			
o-Xylene	2.46	0.0250	2.50		98.4	70-130			
p,m-Xylene	4.85	0.0500	5.00		97.0	70-130			
Total Xylenes	7.31	0.0250	7.50		97.5	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike (2332023-MS1)				Source: E.	308045-2	21	Prepared: 08	8/08/23 A	nalyzed: 08/09/23
Benzene	2.59	0.0250	2.50	ND	104	48-131	_		-
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
p-Xylene	2.62	0.0250	2.50	ND	102	43-135			
o,m-Xylene	5.15	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.77	0.0250	7.50	ND	103	43-135			
	0.512	0.0250	0.500		101	70-130			
Surrogate: Bromofluorobenzene									
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Matrix Spike Dup (2332023-MSD1)				Source: E.	308045-2	21	Prepared: 08	8/08/23 A	nalyzed: 08/09/23
Benzene	2.64	0.0250	2.50	ND	106	48-131	2.04	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135	1.37	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	0.509	24	
o-Xylene	2.68	0.0250	2.50	ND	107	43-135	2.13	27	
o,m-Xylene	5.31	0.0500	5.00	ND	106	43-135	3.04	27	
Total Xylenes	7.98	0.0250	7.50	ND	106	43-135	2.74	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
niroguie. 1,2-Dichioroeinane-a4	0.400		0.000		11.5	70 150			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



# **QC Summary Data**

		$\mathbf{z} \in \mathbf{z}$	~	ary Dav	~				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Margarita Feder 23052-0001 Ashley Giovenş		005H			<b>Reported:</b> 8/11/2023 9:48:44AM
	No	onhalogenated O	Organics	by EPA 80	15D - GR	0			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2332023-BLK1)							Prepared: 0	8/08/23	Analyzed: 08/09/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS (2332023-BS2)							Prepared: 0	8/08/23	Analyzed: 08/09/23
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			
Matrix Spike (2332023-MS2)				Source:	E308045-21		Prepared: 0	8/08/23	Analyzed: 08/09/23
Gasoline Range Organics (C6-C10)	58.8	20.0	50.0	ND	118	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
Matrix Spike Dup (2332023-MSD2)				Source:	E308045-21	-	Prepared: 0	8/08/23	Analyzed: 08/09/23
Gasoline Range Organics (C6-C10)	60.1	20.0	50.0	ND	120	70-130	2.17	20	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



# **QC Summary Data**

		QC D	u I I I I I I	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Margarita Feder 23052-0001 Ashley Gioveng		<b>Reported:</b> 8/11/2023 9:48:44AM			
· · · · · · · · · · · · · · · · · · ·	Nonh	alogenated Org		y EPA 8015D	) - 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
Blank (2332031-BLK1)							Prepared: 0	8/08/23 A	Analyzed: 08/08/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.3		50.0		109	50-200			
LCS (2332031-BS1)							Prepared: 0	8/08/23 A	Analyzed: 08/08/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
Matrix Spike (2332031-MS1)				Source:	E308041-	01	Prepared: 0	8/08/23 A	Analyzed: 08/08/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			
Matrix Spike Dup (2332031-MSD1)				Source:	E308041-	01	Prepared: 0	8/08/23 A	Analyzed: 08/08/23
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	1.82	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			



# **QC Summary Data**

		<b>~</b>		v					
Matador Resources, LLC.		Project Name:	Ν	Margarita Feder	ral 13 Com	#005H			Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	23052-0001					
Dallas TX, 75240		Project Manager:	: 4	Ashley Gioveng	go				8/11/2023 9:48:44AM
		Anions	by EPA	<b>300.0/9056</b>	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 (2332026-BLK1)							Prepared: 0	8/08/23 A	nalyzed: 08/08/23
Chloride	ND	20.0							
LCS (2332026-BS1)							Prepared: 0	8/08/23 A	nalyzed: 08/08/23
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2332026-MS1)				Source:	E308042-	01	Prepared: 0	8/08/23 A	nalyzed: 08/08/23
Chloride	296	20.0	250	39.0	103	80-120			
Matrix Spike Dup (2332026-MSD1)				Source:	E308042-(	01	Prepared: 0	8/08/23 A	nalyzed: 08/08/23
Chloride	296	20.0	250	39.0	103	80-120	0.147	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:	Margarita Federal 13 Com #005H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/11/23 09:48

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 Project Information

Received by OCD: 10/27/2023 9:46:57 PM

	Matador Prod						Bill To			1 	Lab	Use O			TAT					EPA Program	
	Margarita F			05H	Attention: Matador Production Company Lab WO# Job Number Address: on file E3086440 2004 0000							1D	2D	3D	Stand		CWA	SDWA			
	Manager: As				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ress: on file			E3C	280	SUL	010	140	aw				X	-		
	3122 Natio				Number of the second se	State, Zip:			-			Anal	ysis an	d Metho	d			5		_	RCRA
	te, Zip: Carls		88220		Phor	ne: (337)319-83	198	_	14	An						1				1	
	575-988-005				Ema	il: clinton.talley	@matadorresc	urces.com												State	
	giovengo@e	ensolum.o	com								51 51	2 0	0.00		MN		¥	NN		UT AZ	TX
Report c	ue by:							1			y 8021	601	de 3(				1.50	×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	Thur	1711 GRU/UNU/UNU BY 8015	BTEX by 8021 VOC hv 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:25	8/4/2023	Soil	1 Jar			SS01 - 0'		1							x						
9:55	8/4/2023	Soil	1 Jar			SS02 - 0'		2							x						
9:27	8/4/2023	Soil	1 Jar			SS03 - 0'		3							x						
9:28	8/4/2023	Soil	1 Jar			SS04 - 0'		4							x						
10:17	8/4/2023	Soil	1 Jar			BH01 - 0'	- Y	5							x						
10:18	8/4/2023	Soil	1 Jar			BH02 - 0'		6							x						
					_						-	-									-
Addition	al Instructio	ns: Plea	ase CC: cl	urton@ensol	um.com,	agiovengo@en:	solum.com, cha	dhmilton	@ensc	olum.	com			_	-			-			
17 /	1 1					at tampering with or i		lling the samp	le locatio	on,	-									they are samp equent days.	led or
	ed by: (Signatur		Date			Sampled Received by: (Signa	~	Date 7-7-0	77	Time	11	_			0		se On	ly			-
Relinquish	ed by: (Signatur	de)	Date		630	Received by: (Signa	iture)	Date 8.7.		Time 17	13		eived	on ice:	-	)/ N	4	TO			
Relinquish	ed by: (Signatur	re)	Date	7-23 Time	2115	Received by: (Signe		Date 8.8.	T	Time	5	<u>T1</u>		0-	<u>12</u> 4			<u></u> <u>T3</u>			
FILOW	V YIN	60	14		545	ung	you		-	-			G Tem		horal						
	rix: S - Soil, Sd - S				alace other	arrangements are i	Nado Harardeur	Containe								17 - X - X - X - X			or the a	nalysis of	he above
iote: Sam	pies are discard	to these	after resul	nis are reported up	aton with	arrangements are r this COC. The liabili	ty of the laborator	vis limited +	o the a	mount	naid fr	or on th	e renov	t at the c	nem e	xpens	e. in	ereportit	or the a	indivsis of	e(

# **Envirotech Analytical Laboratory**

Client:	Matador Resources, LLC.	ate Received:	08/08/23	08:15		Work Order ID:	E308046
Phone:	(972) 371-5200 D	ate Logged In:	08/07/23	17:38		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com D	ue Date:	08/14/23	17:00 (4 day TAT)			
Chain o	of Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courie	ier		
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			<u>Commen</u>	ts/Resolution
Sample	Turn Around Time (TAT)						
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	, 1						
_	sample cooler received?		Yes				
	, was cooler received in good condition?		Yes				
9. Was ti	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
	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- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample te	mperature: <u>4</u>	<u>°C</u>				
<u>Sample</u>	<u>Container</u>						
14. Are	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 container	s collected?	Yes				
Field La							
	e field sample labels filled out with the minimum inform	nation:	V				
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes No				
	Preservation		110				
	s the COC or field labels indicate the samples were pres	erved?	No				
	sample(s) correctly preserved?		NA				
24. Is lal	b filteration required and/or requested for dissolved met	als?	No				
<u>Multip</u> h	nase Sample Matrix						
26. Does	s the sample have more than one phase, i.e., multiphase	2	No				
	es, does the COC specify which phase(s) is to be analyzed		NA				
Subcont	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	4		
<u>Client</u> l	Instruction						

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: Margarita 13 Federal Com #015H

Work Order: E308201

Job Number: 23052-0001

Received: 8/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

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: 9/1/23

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

Project Name: Margarita 13 Federal Com #015H Workorder: E308201 Date Received: 8/28/2023 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 10:00:00AM, under the Project Name: Margarita 13 Federal Com #015H.

The analytical test results summarized in this report with the Project Name: Margarita 13 Federal Com #015H 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

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Envirotech Web Address: www.envirotech-inc.com



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Matador Resources, LLC.		Project Name:	Margarita 13 Federal Com #015H	Depented
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo	09/01/23 13:07
Client Semple ID	Lab Samula ID	Motviy	Sampled Dessived	Container

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH02-1'	E308201-01A Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
BH02-2'	E308201-02A Soil	08/24/23	08/28/23	Glass Jar, 2 oz.



	~					
Matador Resources, LLC.	Project Nam	e: Mar	garita 13 Federal	Com #015H		
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	52-0001			Reported:
Dallas TX, 75240	Project Man	ager: Ash	ley Giovengo			9/1/2023 1:07:25PM
		BH02-1'				
		E308201-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2335019
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2335019
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		87.4 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2335037
Chloride	585	20.0	1	08/29/23	08/31/23	

# Sample Data



# Sample Data

	25	ample D	ลเล				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		garita 13 H 52-0001	Federal C	Com #015H		Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giover	ngo			9/1/2023 1:07:25PM
		BH02-2'					
	-	E308201-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst	IY		Batch: 2335019
Benzene	ND	0.0250		1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250		1	08/28/23	08/30/23	
Toluene	ND	0.0250		1	08/28/23	08/30/23	
o-Xylene	ND	0.0250		1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500		1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250		1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130		08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2335019
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130		08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0		1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0		1	08/30/23	08/31/23	
Surrogate: n-Nonane		92.1 %	50-200		08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2335037
Chloride	20.5	20.0		1	08/29/23	08/31/23	

# **QC Summary Data**

5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:		052-0001 shley Gioveng	go				9/1/2023 1:07:25PM
		Volatile Or	rganics b	y EPA 802	21B				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 (2335019-BLK1)							Prepared: 0	8/28/23 A	analyzed: 08/29/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			
LCS (2335019-BS1)							Prepared: 0	8/28/23 A	analyzed: 08/29/23
Benzene	4.20	0.0250	5.00		84.1	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130			
Foluene	4.45	0.0250	5.00		89.1	70-130			
p-Xylene	4.56	0.0250	5.00		91.2	70-130			
o,m-Xylene	9.15	0.0500	10.0		91.5	70-130			
Total Xylenes	13.7	0.0250	15.0		91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			
Matrix Spike (2335019-MS1)				Source:	E308200-(	02	Prepared: 0	8/28/23 A	analyzed: 08/29/23
Benzene	4.18	0.0250	5.00	ND	83.5	54-133			
Ethylbenzene	4.36	0.0250	5.00	ND	87.2	61-133			
Foluene	4.41	0.0250	5.00	ND	88.2	61-130			
p-Xylene	4.50	0.0250	5.00	ND	90.0	63-131			
o,m-Xylene	9.03	0.0500	10.0	ND	90.3	63-131			
Fotal Xylenes	13.5	0.0250	15.0	ND	90.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			
Matrix Spike Dup (2335019-MSD1)				Source:	E308200-	02	Prepared: 0	8/28/23 A	analyzed: 08/29/23
Benzene	4.52	0.0250	5.00	ND	90.4	54-133	7.91	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	8.54	20	
Foluene	4.79	0.0250	5.00	ND	95.8	61-130	8.28	20	
p-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	8.33	20	
o,m-Xylene	9.83	0.0500	10.0	ND	98.3	63-131	8.50	20	
Fotal Xylenes	14.7	0.0250	15.0	ND	98.2	63-131	8.44	20	



# **QC Summary Data**

			-						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Margarita 13 Fe 23052-0001	deral Con	n #015H			Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	go				9/1/2023 1:07:25PM
	No	nhalogenated C	Organic	s by EPA 801	15D - G	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 (2335019-BLK1)							Prepared: 0	8/28/23 A	analyzed: 08/29/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.74		8.00		84.2	70-130			
LCS (2335019-BS2)							Prepared: 0	8/28/23 A	analyzed: 08/29/23
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			
Matrix Spike (2335019-MS2)				Source:	E308200-	02	Prepared: 0	8/28/23 A	analyzed: 08/29/23
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		85.9	70-130			
Matrix Spike Dup (2335019-MSD2)				Source:	E308200-	02	Prepared: 0	8/28/23 A	analyzed: 08/29/23
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.8	70-130	2.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.8	70-130			

# **QC Summary Data**

		QU DI	umm	ary Data	a a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Margarita 13 Fe 23052-0001 Ashley Gioveng		n #015H			<b>Reported:</b> 9/1/2023 1:07:25PM
	Nonh	alogenated Org	anics b	y EPA 8015D	) - 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
Blank (2335066-BLK1)							Prepared: 0	8/30/23 A	analyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
LCS (2335066-BS1)							Prepared: 0	8/30/23 A	analyzed: 08/31/23
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike (2335066-MS1)				Source:	E308201-	01	Prepared: 0	8/30/23 A	analyzed: 08/31/23
Diesel Range Organics (C10-C28)	215	25.0	250	ND	86.0	38-132			
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2335066-MSD1)				Source:	E308201-	01	Prepared: 0	8/30/23 A	analyzed: 08/31/23
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	12.0	20	
Surrogate: n-Nonane	44.5		50.0		88.9	50-200			



# **QC Summary Data**

		•		v					
Matador Resources, LLC.		Project Name:	]	Margarita 13 Fe	deral Com	#015H			Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	23052-0001					
Dallas TX, 75240		Project Manager:		Ashley Gioveng	go				9/1/2023 1:07:25PM
		Anions	by EPA	300.0/9056	٨				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 (2335037-BLK1)							Prepared: 0	8/29/23 A	nalyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335037-BS1)							Prepared: 0	8/29/23 A	nalyzed: 08/30/23
Chloride	237	20.0	250		94.9	90-110			
Matrix Spike (2335037-MS1)				Source:	E308201-0	)1	Prepared: 0	8/29/23 A	nalyzed: 08/31/23
Chloride	616	20.0	250	585	12.3	80-120			M2
Matrix Spike Dup (2335037-MSD1)				Source:	E308201-0	)1	Prepared: 0	8/29/23 A	nalyzed: 08/31/23
Chloride	736	20.0	250	585	60.3	80-120	17.8	20	M2

QC Summary Report Comment:

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



Matador Resources, LLC.	Project Name:	Margarita 13 Federal Com #015H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/01/23 13:07

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

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

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



ent: 1	Aatador Prod	duction C	ompany.	10	2.00	Bill To				Lab U	se Or	nly			T	AT		EPA P	rogram
roject:	Margarita 1	3 Federal	Com #0:	15H	Attention: Matad	or Production Co	ompany	Lab W						1D 2D			ndard	CWA	SDWA
roject l	Manager: As	hley Giov	vengo		Address: on file			E3C	82	105	23	Number 052-00	10				x		
ddress	3122 Natio	nal Parks	Hwy		City, State, Zip:						Analy	sis and M	ethod	ł					RCRA
ity, Sta	te, Zip: Carls	bad NM,	88220		Phone: (337)319-8	3398		by											
	575-988-005				Email: clinton.talle	ey@matadorreso	urces.com	ORO									10.55	State	
	giovengo@e	nsolum.c	com					RO/	5			0.0		WN	¥		NM CO	UT AZ	TX
eport o	lue by:		-					0/02	US IN	, 826	601	e 30			10.0		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	TPH GRO/DRO/ORO by	8015 RTEY hu 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	GDOC			Remarks	
10:19	8/24/2023	Soil	1 Jar		BH02 - 1'		1							x		-			rogram SDWA RCRA
10:23	8/24/2023	Soil	1 Jar		BH02 - 2'		2							x					
							The second												
			an -																
					-		1 mail												
							No.												
							No.												
Additio	nal Instructio	ns: Plea	ase CC: c	burton@ensolu	m.com, agiovengo@er	nsolum.com						~ ~							
ate or tim	e of collection is	considered f	raud and ma	ay be grounds for lega	m aware that tampering with or al action. <u>Sample</u>	ed by:	ling the sampl	e location	,			es requiring the ed packed in ice							led or
Relinquial	ned by: (Signatu	re) 7	Date 8 -	25-23 Time	Received by: (Sign	Laurel	Date 8-25-	J3 Tin		05	Rece	eived on i	ce:	Lab U		nly			
mic		uns	- Date	0 2 6 9	00 Received by: (Sign	Millo	Date 21	5.23 Tin	170	de	<u>T1</u>			T2		T	13		
Relinquit	hed by: (Signatu	re) MSS	Date	25.23 Time	345 Received by (Sign	Man	B Bal	73 II	):(	00	AVG	Temp °C	4	ł	-				
Sample Ma	atrix: S - Soil, Sd -	Solid, Sg - Slu	idge, A - Aqu	Jeous, O - Other	- Current -		Container	Type: g	- glas	ss, p - p		lastic, ag -		er glass.	v - VO	A		and a state of the	

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# **Envirotech Analytical Laboratory**

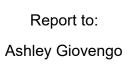
Sample Receipt Checklist (SRC)

Email:       agiovngo@emolum.com       Due Date:       09/01/23 17:00 (4 day TAT)         Chain of Custody (COC).       Yes         1. Does the sample ID match the COC?       Yes         2. Does the number of samples per sampling site location match the COC       Yes         3. Were samples dropped off by client or carrier?       Yes         4. Was the COC complete, i.e., signatures, dates/times, requested analyses?       Yes         5. Were all samples received within holding time?       Yes         Note: Analysis, such as ple by which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.       Comments/Resolution         6. Did the COC indicate standard TAT, or Expedited TAT?       Yes       Samole Turn Around Time (TAT)         7. Was a sample color received?       Yes       Sample Conder         8. If yes, was cooler received in good condition?       Yes       Yes         9. Was the sample(s) received intact, i.e., on broken?       Yes       Yes         10. Were custody/security seals intact?       No       No         11. If yes, were custody/security seals intact?       No       No         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6*2°C       Yes       Yes         Somple Condition?       Yes       Sample Condition?       Yes         13. If no visible ic	Client:	Matador Resources, LLC. Da	ate Received:	08/28/23	10:00	Work Order ID:	E308201
Chain of Custody (COC)       1. Does the sample ID match the COC?       Yes         1. Does the sample ID match the COC?       Yes         2. Does the number of samples per sampling site location match the COC       Yes         3. Were samples dropped off by client or carrier?       Yes         4. Was the COC complete, i.e., signatures, dates/times, requested analyses?       Yes         Note: Analysis, such as pIf which should be conduced in the field, i.e., 15 minute hold inte, are not included in this discussion.       Comments/Resolution         Sample Color       7       Yes         7. Was a sample cooler received?       Yes         9. Was the sample(s) received in direct, i.e., or to broken?       Yes         9. Was the sample received in good condition?       Yes         9. Was the sample received in good condition?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intate?       No         12. Was the sample received the temperature: <u>4*C</u> Sample Container         14. Are aqueous VOC samples optexent?       No         15. Are VOC samples collected in the correct containers?       Yes         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (HB) included for VOC analyese?       Yes         Sample Collected? <td< th=""><th>Phone:</th><th>(972) 371-5200 Da</th><th>ate Logged In:</th><th>08/28/23</th><th>08:59</th><th>Logged In By:</th><th>Alexa Michaels</th></td<>	Phone:	(972) 371-5200 Da	ate Logged In:	08/28/23	08:59	Logged In By:	Alexa Michaels
1. Does the sample ID match the COC?       Yes         2. Does the number of samples per sampling site location match the COC       Yes         3. Were samples dropped off by client or carrier?       Yes         4. Was the COC complete, i.e., signatures, dates/times, requested analyses?       Yes         5. Were all samples received within holding time?       Yes         5. Were all samples received within holding time?       Yes         5. Did the COC indicate standard TAT, or Expedited TAT?       Yes         5. Did the COC indicate standard TAT, or Expedited TAT?       Yes         6. Did the COC indicate standard TAT, or Expedited TAT?       Yes         8. If yes, was cooler received in good condition?       Yes         9. Was the sample (so received in tact, i.e., not broken?       Yes         10. Were custody/security seals intact?       No         11. If yes, were custody/security seals intact?       No         12. Was the sample received in is not required, if samples are received wit 15 minutes of sampling       No         13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Sample Container         14. Are aqueous VOC samples collected in VOA vials?       NA         15. Are VOC samples collected in the origines collected?       Yes         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was	Email:	agiovngo@ensolum.com Du	le Date:	09/01/23	17:00 (4 day TAT)		
2. Does the number of samples per sampling site location match the COC       Yes         3. Were samples dropped off by client or carrier?       Yes         4. Was the COC complete, i.e., signatures, dates/times, requested analyses?       Yes         5. Were all samples received within holding time?       Yes         Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in thi discussion.       Comments/Resolution         Sample Cours       Yes       Sample Course the number of sample specified TAT?       Yes         6. Did the COC indicate standard TAT, or Expedited TAT?       Yes       Yes         8. If yes, was cooler received in good condition?       Yes       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes       Yes         Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling       No         11. If yes, were custody/security seals intact?       Na         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6*#2°C       Yes         Sample Container       Yes         13. If no visible ice, record the temperature.       4*C         Sample Container       Yes         14. Are aquecous VOC samples collected in NOA Vials?       NA         15. Are VOC samples collected?       Yes         Yes <t< td=""><td>Chain of</td><td>Custody (COC)</td><td></td><td></td><td></td><td></td><td></td></t<>	Chain of	Custody (COC)					
<ul> <li>2. Does the number of samples per sampling site location match the COC</li> <li>Yes</li> <li>Were samples dropped off by client or carrier?</li> <li>Yes</li> <li>Were all samples received within holding time?</li> <li>Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.</li> </ul> Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes 8. If yes, was cooler received in good condition? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes Note: Standard Sample cooler with in softward? Note: Standard Sample cooler intact, i.e., not broken? Yes Note: Standard Sample cooler of the temperature? Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: <a href="#4">4"</a> 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 at place to olume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample Collected? Yes Collectors name? Yes Sample Collected? Yes Sample Collected? Yes Yes Collectors name? Yes No No 1. Does the COC or field labels indicate the samples were preserved? NA 2. Are sample(s) correctly preserved? NA 2. Are sample(s) correctly preserved? NA 2. Are sample(s) correctly preserved? NA 2. Are sample for the correct containers? Yes Sample Collected? Sample Collected?	1. Does th	he sample ID match the COC?		Yes			
3. Were samples dropped off by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. <b>Sample Tour Around Time (TAT)</b> 6. Did the COC indicate standard TAT, or Expedited TAT? Yes <b>Sample Cooler</b> 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 intact? No 11. If yes, were custody/security seals intact? No 11. If yes, were custody/security seals intact? No 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 wi 15 minutes of samples 13. If no visible ice, record the temperature. Actual sample temperature: <b>4</b> °C <b>Sample Container</b> 14. Are aquecous VOC samples received in (pea sized or less)? NA 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes <b>Sample ID</b> ? 10. Were field sample labels filled out with the minimum information: <b>Sample ID</b> ? <b>Sample ID</b> ?		•	the COC	Yes			
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were all samples received within holding time? Yes Note: Analysis, such appl Which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler received? Yes 8. If yes, was cooler received in good condition? Yes 10. Were custody/security seals present? No 11. If yes, ware 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 wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: $4^{\circ}$ C Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in the correct containers? Yes 10. Is the bead space less than 6-8 mm (pea sized or less)? NA 16. Is the head space collected in the correct containers? Yes 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Yes Sample Collected? Yes Field Label 21. Does the COC or field labels indicate the samples were preserved? No 21. Does the COC or field labels indicate the samples were preserved? No 21. Does the COC or field labels indicate the samples were preserved? No 21. Does the COC or field labels indicate the samples were preserved? No 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA	3. Were s	amples dropped off by client or carrier?			Carrier: Courier		
Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Coler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received instat, i.e., not broken? 9. Was the sample(s) received instat, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ico? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wi 15 minutes of sampling 13. If no visible ice, record the temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Are sample(s) correctly preserved? 25. Are sample(s) correctly preserved? 26. Collectors preserved? 27. Are sample(s) correctly preserved? 28. Collectors preserved? 29. Collectors preserved? 20. Are sample(s) correctly pr	4. Was the	e COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
6. Did the COC indicate standard TAT, or Expedited TAT?       Yes         Sample Cooler       Sample cooler received?       Yes         7. Was a sample cooler received in good condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Not: Thermal preservation is not required, if samples are received wi 15 minutes of sampling       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Xes         Fadd courses       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         Field Label       Yes         20. Were field sample labels filled out with the minimum information: Sample ID?       Yes         Collectors name?       Yes         Collectors name?       Yes         Sample ID?       Yes         Sample ID?       Yes         Coll	5. Were a	Note: Analysis, such as pH which should be conducted in the	e field,	Yes		Commen	ts/Resolution
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., ont broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Mote: Thermal preservation is not required, if samples are received wii 15 minutes of sampling       NA         13. If no visible ice, record the temperature: 4°C       Yes         Sample Container       No         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Collectors name?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Date/Time Coll	Sample T	<u>Furn Around Time (TAT)</u>					
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 intatt?       No         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling       No         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Yes         Sample Container       No         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample D?       Yes         Collectors name?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes	6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
8. If yes, was cooler received in good condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Not: Thermal preservation is not required, if samples are received wiri 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are QOC 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         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Date/Time Collected?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No	Sample C	<u>Cooler</u>					
9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling       Yes         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Yes         Sample Container       No         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         9. Is the appropriate volume/weight or number of sample containers collected?       Yes         Date/Time Collected?       Yes         Outer/Time Collected?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         C	7. Was a s	sample cooler received?		Yes			
10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling       Item is the received w/i 15 minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         Sample Container       No         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         Field Label       20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Collectors name?       Yes         Collectors name?       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No	8. If yes,	was cooler received in good condition?		Yes			
11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling       Yes         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample D?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserve?       No         22. Are sample(s) correctly preserved?       No         22. Are sample(s) correctly preserved?       NA	9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         9. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Zoue Time Collected?       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?       Yes         Sample Preservation       Yes       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         22. Are sample(s) correctly preserved?       Na	10. Were	custody/security seals present?		No			
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Yes         Sample Container       ************************************	11. If yes,	, were custody/security seals intact?		NA			
13. If no visible ice, record the temperature. Actual sample temperature: 4°C         Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA	12. Was th	Note: Thermal preservation is not required, if samples are real					
Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       20. Were field sample labels filled out with the minimum information: Sample ID? Collectors name?       Yes         20. Were field sample labels filled out with the minimum information: Sample ID? Collectors name?       Yes         Sample Preservation 21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA	12 If no.		nnoroturo: 1º	c			
14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information: Sample ID? Collectors name?       Yes         20. Were field sample labels filled out with the minimum information: Sample ID? Collectors name?       Yes         21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved?       No         22. Are sample(s) correctly preserved?       Na			nperature. <u>4 v</u>	<u>c</u>			
15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA				No			
16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA							
<ul> <li>17. Was a trip blank (TB) included for VOC analyses?</li> <li>18. Are non-VOC samples collected in the correct containers?</li> <li>19. Is the appropriate volume/weight or number of sample containers collected?</li> <li>Yes</li> <li>Field Label</li> <li>20. Were field sample labels filled out with the minimum information:         Sample ID?         Date/Time Collected?         Yes         Collectors name?         Yes</li> <li>Sample Preservation</li> <li>21. Does the COC or field labels indicate the samples were preserved?         No</li> <li>22. Are sample(s) correctly preserved?         No</li> </ul>		-					
18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA		· · · · · · · · · · · · · · · · · · ·					
19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label         20. Were field sample labels filled out with the minimum information:         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA							
Field Label         20. Were field sample labels filled out with the minimum information:         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA		-	collected?				
20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA			concettu:	105			
Sample ID?     Yes       Date/Time Collected?     Yes       Collectors name?     Yes       Sample Preservation     Yes       21. Does the COC or field labels indicate the samples were preserved?     No       22. Are sample(s) correctly preserved?     NA			ation				
Date/Time Collected?     Yes       Collectors name?     Yes       Sample Preservation     Yes       21. Does the COC or field labels indicate the samples were preserved?     No       22. Are sample(s) correctly preserved?     NA		-		Yes			
Sample Preservation     No       21. Does the COC or field labels indicate the samples were preserved?     No       22. Are sample(s) correctly preserved?     NA					L		
21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA	С	Collectors name?		Yes			
22. Are sample(s) correctly preserved? NA							
			rved?				
24 Is lab tilteration required and/or requested for discolved metals?			1.0				
24. Is tab interation required and/or requested for dissolved inerals: NO	24. Is lab	filteration required and/or requested for dissolved meta	us?	No			
Multiphase Sample Matrix							
26. Does the sample have more than one phase, i.e., multiphase? No				No			
27. If yes, does the COC specify which phase(s) is to be analyzed? NA	27. If yes	, does the COC specify which phase(s) is to be analyzed	d?	NA			
Subcontract Laboratory	<u>Subcontr</u>	ract Laboratory					
28. Are samples required to get sent to a subcontract laboratory? No	28. Are sa	amples required to get sent to a subcontract laboratory?		No			
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA	29. Was a	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
<u>Client Instruction</u>	<u>Client I</u>	nstruction					

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: Margarita Federal 13 Com #005H

5

Work Order: E310009

Job Number: 23052-0001

Received: 10/3/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/9/23

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: 10/9/23

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

Project Name: Margarita Federal 13 Com #005H Workorder: E310009 Date Received: 10/3/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2023 8:15:00AM, under the Project Name: Margarita Federal 13 Com #005H.

The analytical test results summarized in this report with the Project Name: Margarita Federal 13 Com #005H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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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:	Margarita Federal 13 Com #005H	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo	10/09/23 11:53
		5 6		
Client Sample ID	Lab Sample ID	Matrix	Sampled Received	Container

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS08 - 1'	E310009-01A	Soil	09/29/23	10/03/23	Glass Jar, 4 oz.
FS13 - 1'	E310009-02A	Soil	09/29/23	10/03/23	Glass Jar, 4 oz.



	$\sim$	ampie D	aca			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Num		garita Federal 13 52-0001	Com #005H		Reported:
Dallas TX, 75240	Project Mana		ley Giovengo	10/9/2023 11:53:43AN		
Danas 177, 752+0	Troject Wall	igei. Asii	ley Glovengo			10/7/2023 11:35:15/11
		FS08 - 1'				
		E310009-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2340046
Benzene	ND	0.0250	1	10/03/23	10/05/23	
Ethylbenzene	ND	0.0250	1	10/03/23	10/05/23	
Foluene	ND	0.0250	1	10/03/23	10/05/23	
p-Xylene	ND	0.0250	1	10/03/23	10/05/23	
o,m-Xylene	ND	0.0500	1	10/03/23	10/05/23	
Fotal Xylenes	ND	0.0250	1	10/03/23	10/05/23	
Surrogate: 4-Bromochlorobenzene-PID		98.6 %	70-130	10/03/23	10/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2340046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/23	10/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	10/03/23	10/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2340060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/23	10/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/23	10/06/23	
Surrogate: n-Nonane		105 %	50-200	10/04/23	10/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2340074
Chloride	358	20.0	1	10/04/23	10/05/23	

# Sample Data



# Sample Data

	D		ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numł Project Mana	ber: 230	garita Federal 13 52-0001 ley Giovengo	Com #005H		<b>Reported:</b> 10/9/2023 11:53:43AM
		FS13 - 1'				
		E310009-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2340046
Benzene	ND	0.0250	1	10/03/23	10/05/23	
Ethylbenzene	ND	0.0250	1	10/03/23	10/05/23	
Toluene	ND	0.0250	1	10/03/23	10/05/23	
p-Xylene	ND	0.0250	1	10/03/23	10/05/23	
o,m-Xylene	ND	0.0500	1	10/03/23	10/05/23	
Fotal Xylenes	ND	0.0250	1	10/03/23	10/05/23	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	10/03/23	10/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2340046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/23	10/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	10/03/23	10/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2340060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/23	10/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/23	10/05/23	
Surrogate: n-Nonane		100 %	50-200	10/04/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2340074
Chloride	369	20.0	1	10/04/23	10/05/23	

# **QC Summary Data**

				1.1.0 ~				
	-		e	ral 13 Com	1 #005H			Reported:
	5							
	Project Manager:	As	shley Gioveng	go				10/9/2023 11:53:43AN
	Volatile Or	rganics b	oy EPA 802	21B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 1	0/03/23 A	Analyzed: 10/05/23
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.63		8.00		95.4	70-130			
						Prepared: 1	0/03/23 A	Analyzed: 10/05/23
5.16	0.0250	5.00		103	70-130			
5.08	0.0250	5.00		102	70-130			
5.15	0.0250	5.00		103	70-130			
5.11	0.0250	5.00		102	70-130			
10.3	0.0500	10.0		103	70-130			
15.5	0.0250	15.0		103	70-130			
7.74		8.00		96.7	70-130			
			Source:	E310011-2	21	Prepared: 1	0/03/23 A	Analyzed: 10/05/23
5.12	0.0250	5.00	ND	102	54-133			
5.06	0.0250	5.00	ND	101	61-133			
5.11	0.0250	5.00	ND	102	61-130			
5.07	0.0250	5.00	ND	101	63-131			
10.3	0.0500	10.0	ND	103	63-131			
15.4	0.0250	15.0	ND	103	63-131			
7.67		8.00		95.9	70-130			
			Source:	E310011-2	21	Prepared: 1	0/03/23 A	Analyzed: 10/05/23
5.30	0.0250	5.00	ND	106	54-133	3.48	20	
5.26	0.0250	5.00	ND	105	61-133	3.78	20	
5.31	0.0250	5.00	ND	106	61-130	3.77	20	
5.26	0.0250	5.00	ND	105	63-131	3.66	20	
10.7	0.0500	10.0	ND	107	63-131	3.72	20	
	ND ND ND ND ND 7.63 5.16 5.08 5.15 5.11 10.3 15.5 7.74 5.12 5.06 5.11 5.07 10.3 15.4 7.67 5.30 5.26	Result mg/kg         Reporting Limit mg/kg           ND         0.0250           7.63         0.0250           5.16         0.0250           5.17         0.0250           5.18         0.0250           5.19         0.0250           5.11         0.0250           5.12         0.0250           5.11         0.0250           5.12         0.0250           5.11         0.0250           5.12         0.0250           5.11         0.0250           5.06         0.0250           5.07         0.0250           10.3         0.0500           15.4         0.0250           15.4         0.0250           5.26         0.0250	Project Number:         23 Project Manager:         24 Attribution           Volatile Organics I           Result         Reporting mg/kg         Spike Level mg/kg           ND         0.0250           S.16         0.0250           S.00         5.00           5.15         0.0250           S.11         0.0250           S.12         0.0250           S.13         0.0250           S.14         0.0250           S.15         0.0250           S.16         0.0250           S.17         0.0250           S.00         5.00           S.11         0.0250           S.02         5.00           S.03         0.0500           S.04         5.00           S.05         5.00           S.06	Project Number:         23052-0001           Project Manager:         Ashley Gioveng           Volatile Organics by EPA 802           Result         Spike         Source           Result         mg/kg         mg/kg         mg/kg           ND         0.0250         ND           S.16         0.0250         5.00           S.15         0.0250         5.00           S.15         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.15         0.0250         5.00           S.11         0.0250         5.00           S.11         0.0250         5.00     <	Project Number:         23052-0001           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         0.0250         mp/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         5.00         103         0.0250           S.16         0.0250         5.00         103           5.15         0.0250         5.00         103           5.16         0.0250         5.00         103           5.17         0.0250         5.00         103           5.18         0.0250         5.00         ND         101           5.17         0.0250         5.00 <td>Project Number:         23052-0001           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source Result mg/kg         Rec         Limits mg/kg           ND         0.0250         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         nb         nb         %         %           ND         0.0250         nb         nb         %         %           ND         0.0250         nb         103         70-130           ND         0.0250         nb         102         70-130           ND         0.0250         103         70-130           ND         0.0250         103         70-130           S.16         0.0250         5.00         103         70-130           S.15         0.0250         5.00         103         70-130           S.11         0.0250         5.00         103         70-130           S.12         0.0250         5.00         103         70-130           S.15         0.0250         5.00         ND         103         70-130</td> <td>Project Number:         23052-0001 Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec Limits         Rep %         %           Mg/kg         mg/kg         mg/kg         Mg/kg         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         ND         ND         ND           ND         0.0250         ND         0.0250         ND         Prepared: 1           5.16         0.0250         5.00         103         70-130         Prepared: 1           5.16         0.0250         5.00         102         70-130         Prepared: 1           5.16         0.0250         5.00         102         70-130         Prepared: 1           5.16         0.0250         5.00         103         70-130         Prepared: 1           5.16         0.0250         5.00         102         70-130         Prepared: 1           5.16         0.0250         5.00         103         70-130         Prepared: 1           5.17         &lt;</td> <td>Project Number:         23052-0001           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike         Source         Rec         Rec         RPD         RPD         Limit           mg/kg         mg/kg         mg/kg         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %</td>	Project Number:         23052-0001           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source Result mg/kg         Rec         Limits mg/kg           ND         0.0250         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         nb         nb         %         %           ND         0.0250         nb         nb         %         %           ND         0.0250         nb         103         70-130           ND         0.0250         nb         102         70-130           ND         0.0250         103         70-130           ND         0.0250         103         70-130           S.16         0.0250         5.00         103         70-130           S.15         0.0250         5.00         103         70-130           S.11         0.0250         5.00         103         70-130           S.12         0.0250         5.00         103         70-130           S.15         0.0250         5.00         ND         103         70-130	Project Number:         23052-0001 Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec Limits         Rep %         %           Mg/kg         mg/kg         mg/kg         Mg/kg         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         ND         ND         ND           ND         0.0250         ND         0.0250         ND         Prepared: 1           5.16         0.0250         5.00         103         70-130         Prepared: 1           5.16         0.0250         5.00         102         70-130         Prepared: 1           5.16         0.0250         5.00         102         70-130         Prepared: 1           5.16         0.0250         5.00         103         70-130         Prepared: 1           5.16         0.0250         5.00         102         70-130         Prepared: 1           5.16         0.0250         5.00         103         70-130         Prepared: 1           5.17         <	Project Number:         23052-0001           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike         Source         Rec         Rec         RPD         RPD         Limit           mg/kg         mg/kg         mg/kg         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %



# **QC Summary Data**

		QU D	umm	ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Margarita Feder 23052-0001	al 13 Com	#005H			Reported:
Dallas TX, 75240		Project Manager	: 4	Ashley Gioveng	go				10/9/2023 11:53:43AM
	Noi	nhalogenated (	Organics	by EPA 80	15D - 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 (2340046-BLK1)							Prepared: 1	0/03/23 A	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			
LCS (2340046-BS2)							Prepared: 1	0/03/23 A	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			
Matrix Spike (2340046-MS2)				Source:	E310011-2	21	Prepared: 1	0/03/23 A	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			
Matrix Spike Dup (2340046-MSD2)				Source:	E310011-2	21	Prepared: 1	0/03/23 A	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	0.496	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			



# **QC Summary Data**

		QC D	u 111111	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Margarita Feder 23052-0001 Ashley Gioveng		n #005H			<b>Reported:</b> 10/9/2023 11:53:43AM
	Nonh	alogenated Org	anics b	y EPA 8015D	- 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
Blank (2340060-BLK1)									Analyzed: 10/05/23
,							Tiepareu. T	0/04/23 F	maryzeu. 10/03/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	51.6	50.0	50.0		103	50-200			
LCS (2340060-BS1)	21.0						Prepared: 1	0/04/23 A	Analyzed: 10/05/23
Diesel Range Organics (C10-C28)	241	25.0	250		96.5	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			
Matrix Spike (2340060-MS1)				Source:	E310013-	01	Prepared: 1	0/04/23 A	Analyzed: 10/05/23
Diesel Range Organics (C10-C28)	372	50.0	250	95.1	111	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			
Matrix Spike Dup (2340060-MSD1)				Source:	E310013-	01	Prepared: 1	0/04/23 A	Analyzed: 10/05/23
Diesel Range Organics (C10-C28)	352	50.0	250	95.1	103	38-132	5.38	20	
Surrogate: n-Nonane	51.4		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		Margarita Feder 23052-0001 Ashley Gioveng		#005H			<b>Reported:</b> 10/9/2023 11:53:	
		Anions	by EPA	300.0/9056A	<u> </u>				Analyst: 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 (2340074-BLK1)							Prepared:	10/04/23	Analyzed: 10/05/2	23
Chloride	ND	20.0								
LCS (2340074-BS1)							Prepared:	10/04/23	Analyzed: 10/05/2	23
Chloride	249	20.0	250		99.6	90-110				
Matrix Spike (2340074-MS1)				Source:	E309250-(	)1	Prepared:	10/04/23	Analyzed: 10/05/2	23
Chloride	1010	20.0	250	780	91.2	80-120				
Matrix Spike Dup (2340074-MSD1)				Source:	E309250-(	)1	Prepared:	10/04/23	Analyzed: 10/05/2	23
Chloride	1040	20.0	250	780	104	80-120	3.11	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:	Margarita Federal 13 Com #005H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/23 11:53

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.



**Project Information** 

Rele

Received by OCD: 10/27/2023 9:46:57 PM

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	Matador 13			05H	-	n: Matador Product	ion Company	Lab	WO	#	7	Job	Num	ber	, 1D	2D	3D	Standar	d CWA	SDWA
	lanager: Asl		10 C		Address:			_E.	Lab WO# E.310009 Job Number 23057.00							X				
	3122 Nation				City, Stat			-				Analy	sis a	nd Meth	od			1		RCRA
	e, Zip: Carls		88220	_		(337)319-8398		_	by (											
	75-988-005				Email: c	linton.talley@matad	orresources.co	m	ORC		AL 1								State	
	iovengo@e	nsolum.c	om						RO/	51	0		0.0		MN		×	NM 0	CO UT AZ	TX
eport di	ie by:				12.				0/0	/ 80	826	601(	e 30				TX.	×	1.0	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				er	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remark	s
14:33	9/29/2023	Soil	1		FSO	8 - 1'	1								X					
14:04	9/29/2023	Soil	1		FS1	3 - 1'	2								x					
	-								_											
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				1																
ddition	I Instruction	ns: Plea	ise CC: cl	burton@enso	lum.com, agic	ovengo@ensolum.co	m, chadhmilt	on@e	nsolu	m.co	m									
						pering with or intentionally r		ple loca	tion,			1.110.00							e day they are sa subsequent day	
	d by: (Signatur		Date			Sampled by: Chad	Date	- 23	Time	030	2	Roc	aivo	d on ice:		ab U	se On	lγ		
	d by: (Signatur	e)	Date	Time	Rece	ived by: (Signature)	Date		Time	-				off fice.				T3		
linquishe	d by: (Signatur	e)	Date	Time	Rece	wed by: (Signature)	Date		Time						4	-		13		
mon	and the second second second	Misso	10		400 66	utter 110						1000	-	np °C	1	-				
	x: S - Soil, Sd - So				place atk	annante pro mede - 11				-			_	c, ag - an					ha analusta d	the about
ne: samp						gements are made. Haz COC. The liability of the la									client e	expens	e. The	e report for t	ro	the above

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Matadag Darawaya LLC					
Client:		ate Received:	10/03/23		Work Order ID:	E310009
Phone:		ate Logged In:	10/03/23		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com D	ue Date:	10/09/23	17:00 (4 day TAT)		
<u>Chain of</u>	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does th	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 a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	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			
<u>Sample C</u>	Cooler					
	sample cooler received?		Yes			
8. If yes,	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 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 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	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	trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct containers?		Yes			
19. Is the a	appropriate volume/weight or number of sample container	s collected?	Yes			
Field Lat	bel_					
20. Were	field sample labels filled out with the minimum inform	ation:				
	ample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation the COC or field labels indicate the samples were pres	erved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved met	als?	No			
			110			
<u>iviulupna</u>	ase Sample Matrix	•	NT-			
26 Door			No			
		ur	NA			
27. If yes,	, does the COC specify which phase(s) is to be analyze					
27. If yes, <u>Subcontr</u>	act Laboratory_					
<ul><li>27. If yes,</li><li><u>Subcontr</u></li><li>28. Are sa</li></ul>			No NA	Subcontract Lab: NA		

C

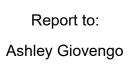
envirotech Inc.

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

Date

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hone: 5	e, Zip: Carls 575-988-005 giovengo@e ue by:	5				-	ne: (337)3 ail: clinton.	19-8398 talley@mata	adorresou	rces.con		TPH GRO/DRO/ORO by 8015	8021	3260	010	300.0		NM	74		NM C	Stat	all the second	x
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID						Lab Number		TPH GRC 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	CDOC			Rema	arks	
14:33	9/29/2023	Soil	1	d ii			FS08 - 1'			1								x						
14:04	9/29/2023	Soil	1				FS13 - 1'			2								x						
_															_								-	
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				•																-				
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ddition	al Instructio	ns: Plea	ase CC: c	burton@er	solum.	com,	agiovengo	@ensolum.d	com, chad	Ihmiltor	@en	solur	n.cor	m						1	1			
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2	ed by: (Signatur				ime 1030		And the second se	le ten		Date 10:2-	23	Time / (	32	>	Recei	ved or	i ice:		Use ( / N	Only				
Mi	ed by: (Signatur Uluuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuu	up	Date 10 Date	2-23	INE INE	;	Received by:	(Signature)	40	10-2. Date	23	Time	313	5	<u>T1</u>			<u>T2</u>			<u>T3</u>	yere i s	_	
Ind	1	misso	Contraction of the second strength	- 2-23	240	0 (	lau	He M	an	10.3. Containe	23 r Type	8: 8-8	15 lass,	the second second	ile	emp ⁶ stic, ap	and the second second second	4	s, v - V	OA			1977 1942 1942	
ote: Samp	oles are discard	ed 30 days	after resu	Its are reporte	ed unless	other y with	arrangement this COC. The	s are made. H	azardous sa	mples will	be ret	urned	to cli	ent or	dispos	ed of a	t the cli	ent exp	ense.	The re	port for th	e analysis	of the a	bove

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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:

Margarita Federal 13 Com #005H

Work Order: E310010

Job Number: 23052-0001

Received: 10/3/2023

Revision: 2

**Report Reviewed By:** 

Walter Hinchman Laboratory Director 10/10/23

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: 10/10/23

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

Project Name: Margarita Federal 13 Com #005H Workorder: E310010 Date Received: 10/3/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2023 8:15:00AM, under the Project Name: Margarita Federal 13 Com #005H.

The analytical test results summarized in this report with the Project Name: Margarita Federal 13 Com #005H 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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r -		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Margarita Federal 1 23052-0001	3 Com #005H	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		10/10/23 13:07
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS07 - 18"	E310010-01A	Soil	09/29/23	10/03/23	Glass Jar, 4 oz.



	~	ampie 2				
Matador Resources, LLC.	Project Name		garita Federal 13	Com #005H		
5400 LBJ Freeway, Suite 1500	Project Numb		52-0001			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			10/10/2023 1:07:45PM
		FS07 - 18''				
		E310010-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2340046
Benzene	ND	0.0250	1	10/03/23	10/05/23	
Ethylbenzene	ND	0.0250	1	10/03/23	10/05/23	
Toluene	ND	0.0250	1	10/03/23	10/05/23	
o-Xylene	ND	0.0250	1	10/03/23	10/05/23	
p,m-Xylene	ND	0.0500	1	10/03/23	10/05/23	
Total Xylenes	ND	0.0250	1	10/03/23	10/05/23	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	10/03/23	10/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2340046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/23	10/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	10/03/23	10/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2340061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/23	10/07/23	
Surrogate: n-Nonane		92.0 %	50-200	10/04/23	10/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2340074
Chloride	126	20.0	1	10/04/23	10/05/23	

# Sample Data



# **QC Summary Data**

	Project Name: Project Number: Project Manager:	23	052-0001		a #005H			<b>Reported:</b> 10/10/2023 1:07:45PM
	Volatile Or	rganics b	y EPA 802	21B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 1	0/03/23 A	Analyzed: 10/05/23
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.63		8.00		95.4	70-130			
						Prepared: 1	0/03/23 A	Analyzed: 10/05/23
5.16	0.0250	5.00		103	70-130			
5.08	0.0250	5.00		102	70-130			
5.15	0.0250	5.00		103	70-130			
5.11	0.0250	5.00		102	70-130			
10.3	0.0500	10.0		103	70-130			
15.5	0.0250	15.0		103	70-130			
7.74		8.00		96.7	70-130			
			Source:	E310011-2	21	Prepared: 1	0/03/23 A	Analyzed: 10/05/23
5.12	0.0250	5.00	ND	102	54-133			
5.06	0.0250	5.00	ND	101	61-133			
5.11	0.0250	5.00	ND	102	61-130			
5.07	0.0250	5.00	ND	101	63-131			
10.3	0.0500	10.0	ND	103	63-131			
15.4	0.0250	15.0	ND	103	63-131			
7.67		8.00		95.9	70-130			
			Source:	E310011-2	21	Prepared: 1	0/03/23 A	Analyzed: 10/05/23
5.30	0.0250	5.00	ND	106	54-133	3.48	20	
5.26	0.0250	5.00	ND	105	61-133	3.78	20	
5.31	0.0250	5.00	ND	106	61-130	3.77	20	
5.26	0.0250	5.00	ND	105	63-131	3.66	20	
10.7	0.0500	10.0	ND	107	63-131	3.72	20	
	mg/kg ND ND ND ND ND 7.63 5.16 5.08 5.15 5.11 10.3 15.5 7.74 5.12 5.06 5.11 5.07 10.3 15.4 7.67 5.30 5.26 5.31	Solution         Project Number: Project Manager:           Volatile On           Result mg/kg         Reporting Limit mg/kg           ND         0.0250           S.16         0.0250           5.15         0.0250           5.15         0.0250           5.15         0.0250           5.11         0.0250           5.12         0.0250           5.06         0.0250           5.11         0.0250           5.12         0.0250           5.11         0.0250           5.06         0.0250           5.11         0.0250           5.02         0.0250           5.13         0.0250           5.14         0.0250           5.15         0.0250           5.16         0.0250           5.17         0.0250           5.18         0.0250	Project Number:         23           Project Manager:         As           Volatile Organics h           Result         Reporting mg/kg         Spike mg/kg           ND         0.0250           S.16         0.0250           5.00         5.00           5.15         0.0250           5.15         0.0250           5.14         0.0250           5.15         0.0250           5.16         0.0250           5.17         0.0250           5.18         0.0250           5.19         5.00           5.11         0.0250           5.02         5.00           5.11         0.0250           5.02         5.00           5.03         0.0500           10.3         0.0500	Project Number:         23052-0001           Project Manager:         Ashley Gioveng           Volatile Organics by EPA 802           Result         Reporting         Spike         Source           mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         ND           ND         0.0250         S00           ND         0.0250         S00           ND         0.0250         S00           S.16         0.0250         5.00           S.15         0.0250         S.00           S.16         0.0250         S.00           S.17         0.0250         S.00           S.18         0.0250         S.00           S.19         0.0250         S.00           S.11         0.0250         S.00           S.06         S.025	Project Number:         23052-0001           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         0.0250         mg/kg         mg/kg         mg/kg         %           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250         103           ND         0.0250         103         102           S.16         0.0250         5.00         103           S.08         0.0250         5.00         103           S.15         0.0250         5.00         103           S.11         0.0250         5.00         103           S.13         0.0250         5.00         ND         102           S.14         0.0250         5.00         ND         102           S.15         0.0250         5.00         ND         102           S.16         0.0250         5.00         ND         102           S.11         0.	Project Number:         23052-0001           Project Manager:         Ashley Giovengo           Ulatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source Result mg/kg         Rec           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         seasult         Rec         Limits           ND         0.0250         seasult         70-130           S.16         0.0250         5.00         seasult         70-130           S.15         0.0250         5.00         seasult         70-130           S.16         0.0250         5.00         seasult         70-130           S.11         0.0250         5.00         seasult         70-130           S.12         0.0250         5.00         ND         103         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 Mg/kg         Rec Mg/kg         Rec Mg/kg         Rep Mg/kg           ND         0.0250         mg/kg         mg/kg         M         M           ND         0.0250         ND         0.0250         ND         ND           ND         0.0250         ND         0.0250         ND         Prepared: 1           7.63         8.00         95.4         70-130         70-130           7.63         8.00         95.4         70-130         70-130           5.16         0.0250         5.00         103         70-130           5.15         0.0250         5.00         103         70-130           5.15         0.0250         5.00         103         70-130           5.15         0.0250         5.00         103         70-130           5.15         0.0250         5.00         103         70-130           5.15         0.0250         5.00         103         70-130           7.74         8.00	Project Number:         23052-0001 Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike Mg/kg         Source Mg/kg         Rec %         Rec %         RPD %         RPD %         RPD %         RPD %           ND         0.0250         mg/kg         mg/kg         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %

# **QC Summary Data**

		QU N	umm	ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Margarita Feder 23052-0001	al 13 Com	#005H			Reported:
Dallas TX, 75240		Project Manager	: A	Ashley Gioveng	<u>go</u>			1	0/10/2023 1:07:45PM
	Noi		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 (2340046-BLK1)							Prepared: 1	0/03/23 Ar	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			
LCS (2340046-BS2)							Prepared: 1	0/03/23 Ar	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			
Matrix Spike (2340046-MS2)				Source:	E310011-2	21	Prepared: 1	0/03/23 Ar	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			
Matrix Spike Dup (2340046-MSD2)				Source:	E310011-2	21	Prepared: 1	0/03/23 Ar	nalyzed: 10/05/23
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	0.496	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			



# **QC Summary Data**

		QC D	u I I I I I I	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Margarita Feder 23052-0001 Ashley Gioveng		n #005H			<b>Reported:</b> 10/10/2023 1:07:45PM
	Nonh	alogenated Org	anics b	y EPA 8015D	- 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
Blank (2340061-BLK1)							Prepared: 1	0/04/23 A	Analyzed: 10/07/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			
LCS (2340061-BS1)							Prepared: 1	0/04/23 A	Analyzed: 10/07/23
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			
Matrix Spike (2340061-MS1)				Source:	E310012-	04	Prepared: 1	0/04/23 A	Analyzed: 10/07/23
Diesel Range Organics (C10-C28)	328	25.0	250	55.2	109	38-132			
Surrogate: n-Nonane	61.0		50.0		122	50-200			
Matrix Spike Dup (2340061-MSD1)				Source:	E310012-	04	Prepared: 1	0/04/23 A	Analyzed: 10/07/23
Diesel Range Organics (C10-C28)	314	25.0	250	55.2	104	38-132	4.26	20	
Surrogate: n-Nonane	48.4		50.0		96.8	50-200			



# **QC Summary Data**

		~ ~		•					
Matador Resources, LLC.		Project Name:	l	Margarita Feder	ral 13 Com	#005H			Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	23052-0001					•
Dallas TX, 75240		Project Manager	: /	Ashley Gioveng	go				10/10/2023 1:07:45PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2340074-BLK1)							Prepared: 1	0/04/23 A	Analyzed: 10/05/23
Chloride	ND	20.0							
LCS (2340074-BS1)							Prepared: 1	0/04/23 A	Analyzed: 10/05/23
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2340074-MS1)				Source:	E309250-	01	Prepared: 1	0/04/23 A	Analyzed: 10/05/23
Chloride	1010	20.0	250	780	91.2	80-120			
Matrix Spike Dup (2340074-MSD1)				Source:	E309250-	01	Prepared: 1	0/04/23 A	Analyzed: 10/05/23
Chloride	1040	20.0	250	780	104	80-120	3.11	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:	Margarita Federal 13 Com #005H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/23 13:07

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.



Client:	Matador Proc	duction C	ompany.			Bill To				N.	Lab	Us	e On	у				TA	AT		EPA P	rogram
	Matador 1			05H	At	tention: Matador Prod	uction Cor	npany	Lab	WO#	18. L.		Job N	lumbe	er .	1D	2D	3D	Stand	dard	CWA	SDWA
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	: 3122 Natio					y, State, Zip:						F	Analys	is and	Method	t						RCRA
	te, Zip: Carls		88220		Ph	one: (337)319-8398				by												
	575-988-005				En	nail: clinton.talley@ma	tadorresou	rces.con		ORO											State	
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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	
11:47	9/29/2023	Soil	1			FS07 - 18"		1								x						Page
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nples is	applicable only	to those sa	imples rec	eived by the labo	ratory wit	h this COC. The liability of th	e laboratory	is limited t	o the a	moun	t paid f	oro	on the	report.								te
													-	3			-	-			-	-

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	10/03/23	08:15		Work	Order ID:	E310010
Phone:	(972) 371-5200 Da	te Logged In:	10/03/23	09:39		Logg	ed In By:	Caitlin Mars
Email:		e Date:		17:00 (4 day TA	AT)	_~88		
Chain o	f Custody (COC)							
1. Does	the sample ID match the COC?		Yes					
	the number of samples per sampling site location match t	the COC	Yes					
3. Were	samples dropped off by client or carrier?		Yes	Carrie	r: <u>Courier</u>			
4. Was tl	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				Comment	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 ye	s, were custody/security seals intact?		NA					
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec		Yes					
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample tem	nerature: 4º	C					
	Container		<u> </u>					
-	aqueous VOC samples present?		No					
	VOC samples collected in VOA Vials?		NA					
	e head space less than 6-8 mm (pea sized or less)?		NA					
	a trip blank (TB) included for VOC analyses?		NA					
	non-VOC samples collected in the correct containers?		Yes					
	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 of t	ation:						
	Sample ID?		Yes					
	Date/Time Collected?		Yes					
	Collectors name?		Yes					
	Preservation		• •					
	s the COC or field labels indicate the samples were presented as the constant of the presented of the same state of the	rvea?	No					
	sample(s) correctly preserved?	169	NA					
	b filteration required and/or requested for dissolved meta	15 :	No					
_	ase Sample Matrix							
	s the sample have more than one phase, i.e., multiphase?	10	No					
27. If ye	s, does the COC specify which phase(s) is to be analyzed	17	NA					
	ract Laboratory							
	samples required to get sent to a subcontract laboratory?		No					
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract	Lab: NA			
<u>Client l</u>	Instruction							



Date

envirotech Inc.

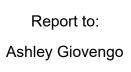
Signature of client authorizing changes to the COC or sample disposition.

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Client: N	Matador Prod	duction C	ompany.	ray	Con	1 #(	COPH	Bill Te		na	ng	red	<u>_</u>	200	tus	+ On	no	m	ef	er	C	. B	untor	T IO	19/2 rogram
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Note: Sam	rix: <b>S</b> - Soil, <b>Sd</b> - S ples are discard	led 30 days	after resul	Its are repor	ted unless	other arr	angement	s are made.	Hazardous s	amples	will b	pe retu	urned	to cli	ent or	disp	osed of	at the	mber i	glass, v	- VO	e repo	ort for the a	inalysis of t	he above
samples is	applicable only	to those sa	amples rec	eived by the	laborator	ry with thi	s COC. The	liability of t	the laboratory	is limite	ed to	the a	moun	t paid	for o	n the	report								
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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: Margarita Federal 13 Com #005H

Work Order: E310274

23052-0001 Job Number:

Received: 10/27/2023

Revision: 1

**Report Reviewed By:** 

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

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

Project Name: Margarita Federal 13 Com #005H Workorder: E310274 Date Received: 10/27/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2023 8:15:00AM, under the Project Name: Margarita Federal 13 Com #005H.

The analytical test results summarized in this report with the Project Name: Margarita Federal 13 Com #005H 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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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
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Matador Resources, LLC.		Project Name:	Margarita Federal 1	3 Com #005H	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23052-0001		Reported.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		10/27/23 14:21
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS18 - 2'	E310274-01A	Soil	10/26/23	10/27/23	Glass Jar, 2 oz.



	D		ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		garita Federal 13 52-0001	Reported:			
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			10/27/2023 2:21:46PM	
		FS18 - 2'					
		E310274-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2343094	
Benzene	ND	0.0250	1	10/26/23	10/27/23		
Ethylbenzene	ND	0.0250	1	10/26/23	10/27/23		
Toluene	ND	0.0250	1	10/26/23	10/27/23		
p-Xylene	ND	0.0250	1	10/26/23	10/27/23		
p,m-Xylene	ND	0.0500	1	10/26/23	10/27/23		
Total Xylenes	ND	0.0250	1	10/26/23	10/27/23		
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	10/26/23	10/27/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2343094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/23	10/27/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	10/26/23	10/27/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2343116	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/23	10/27/23		
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/23	10/27/23		
Surrogate: n-Nonane		84.3 %	50-200	10/27/23	10/27/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2343079	
Chloride	666	20.0	1	10/27/23	10/27/23		

# Sample Data



# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	argarita Feder 8052-0001 shley Gioveng		n #005H			<b>Reported:</b> 10/27/2023 2:21:46PM
		Volatile O	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 (2343094-BLK1)							Prepared: 1	0/26/23 A	analyzed: 10/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			
LCS (2343094-BS1)							Prepared: 1	0/26/23 A	analyzed: 10/27/23
Benzene	5.39	0.0250	5.00		108	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Foluene	5.36	0.0250	5.00		107	70-130			
p-Xylene	5.33	0.0250	5.00		107	70-130			
o,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			
Matrix Spike (2343094-MS1)				Source:	E310261-	05	Prepared: 1	0/26/23 A	analyzed: 10/27/23
Benzene	5.59	0.0250	5.00	ND	112	54-133			
Ethylbenzene	5.51	0.0250	5.00	ND	110	61-133			
Toluene	5.57	0.0250	5.00	ND	111	61-130			
p-Xylene	5.52	0.0250	5.00	ND	110	63-131			
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131			
Total Xylenes	16.7	0.0250	15.0	ND	112	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			
Matrix Spike Dup (2343094-MSD1)				Source:	E310261-	05	Prepared: 1	0/26/23 A	analyzed: 10/27/23
Benzene	5.33	0.0250	5.00	ND	107	54-133	4.91	20	
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133	4.34	20	
Toluene	5.31	0.0250	5.00	ND	106	61-130	4.80	20	
p-Xylene	5.27	0.0250	5.00	ND	105	63-131	4.56	20	
N 1	10.7	0.0500	10.0	ND	107	63-131	4.39	20	
o,m-Xylene		010200							



# **QC Summary Data**

		QU D	umm	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	Margarita Feder 23052-0001 Ashley Gioveng		n #005H			<b>Reported:</b> 10/27/2023 2:21:46PM
	Noi	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 %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%0	%0	70	70	Inotes
Blank (2343094-BLK1)							Prepared: 1	0/26/23 A	nalyzed: 10/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	70-130			
LCS (2343094-BS2)							Prepared: 1	0/26/23 A	nalyzed: 10/27/23
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
Matrix Spike (2343094-MS2)				Source:	E310261-(	05	Prepared: 1	0/26/23 A	nalyzed: 10/27/23
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			
Matrix Spike Dup (2343094-MSD2)				Source:	E310261-	05	Prepared: 1	0/26/23 A	nalyzed: 10/27/23
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130	6.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

# **QC Summary Data**

		QC D	umm	lary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Margarita Feder 23052-0001 Ashley Gioveng		n #005H			<b>Reported:</b> 10/27/2023 2:21:46PM
	Nonh	alogenated Org	anics b	y EPA 8015E	) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2343116-BLK1)							Prepared: 1	0/27/23 A	Analyzed: 10/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.6		50.0		87.2	50-200			
LCS (2343116-BS1)							Prepared: 1	0/27/23 A	Analyzed: 10/27/23
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	44.6		50.0		89.3	50-200			
Matrix Spike (2343116-MS1)				Source:	E310274-	01	Prepared: 1	0/27/23 A	Analyzed: 10/27/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	41.6		50.0		83.2	50-200			
Matrix Spike Dup (2343116-MSD1)				Source:	E310274-	01	Prepared: 1	0/27/23 A	Analyzed: 10/27/23
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	0.943	20	
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			



# **QC Summary Data**

		<b>~</b>		v						
Matador Resources, LLC.		Project Name:	l	Margarita Feder	ral 13 Com	#005H			Reported:	
5400 LBJ Freeway, Suite 1500		Project Number:	2	23052-0001					•	
Dallas TX, 75240		Project Manager	: /	Ashley Gioveng	go				10/27/2023 2:21:4	6PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2343079-BLK1)							Prepared:	10/26/23	Analyzed: 10/27/2	3
Chloride	ND	20.0								
LCS (2343079-BS1)							Prepared:	10/26/23	Analyzed: 10/27/2	3
Chloride	245	20.0	250		97.8	90-110				
Matrix Spike (2343079-MS1)				Source:	E310229-0	01	Prepared:	10/26/23	Analyzed: 10/27/2	3
Chloride	248	20.0	250	ND	99.1	80-120				
Matrix Spike Dup (2343079-MSD1)				Source:	E310229-0	)1	Prepared:	10/26/23	Analyzed: 10/27/2	3
Chloride	253	20.0	250	ND	101	80-120	2.12	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:	Margarita Federal 13 Com #005H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/23 14:21

- 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.

nt:/	atac	dor	1000	luction	M Bi	ITO > 1	1			Lat	o Use	e Only				_	ГАТ		EPA P	ogram
ject: /	large	rite	113	rederal A	ttention: Matag	lor frod	action	Lab	WO#			Job N	umber		1D 21	) 3C	) Sta	andard	CWA	SDWA
lect M	anager:	Nati	0001	Govensor	ddress: Un F	ite		00	102	21-			is and N			_		CALL AND IN COLONY		RCRA
, State	, Zip:Ca	rlsba	d. N	M1 58 220 P	hone:			-	À	Т	T	Anarys		T		T				NCNA
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ime	Date						Lab	-	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		S			LI .		Page SDWA RCRA TX
	Sampled	Matrix	No. of Containers	Sample ID			Numbe	r	TPH 0 8015	BTEX	VOCI	Meta	Chlor		BGDOC	GDOC			Remarks	
-10	10/26/23	5	ljar	F518	- 21		1				-				V					
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ld sampl	ler), agest to	o the validity	and authen	ticity of this sample. I am a	ware that tampering with o	or intentionally misla	belling the	sample	location	٦,	5	Samples	requiring th	ermal pre	eservation	must be	received	on ice the day n 6 °C on subse	they are samp	led or
			Date	may be grounds for legal ac	a		Date		Time	_	-		-			Use C				
A	AC	7	10	71/73 11-23	1 Michael	Chr	10-26-	23	11	23		Recei	ved on	ice:	(Y)		iny			
quishe	d by: (Signe	iture)	Date	Time	Received by: (Signat	ure)	Date		Time						0					
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quishe	d by: (Signa		Date	Time 133	Received by: (Signat	TALA,	Date	112	Time	10			- 0.	4	f					
149	Cer -	MADO		26.23 200 Aqueous, 0 - Other	auch	man	Contain	20	Ið-	13			Femp [°]	and the second se	ar glace		24			
				esults are reported unless	other arrangements are	e made. Hazardoi	Contain us sample				_			f at the	client e	xpense	The	eport for t	he analysis	of the
				mples received by the lat										report						te

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	ate Received:	10/27/23	08:15	Work Order ID:	E310274
Phone:	(972) 371-5200 Da	ate Logged In:	10/26/23	17:58	Logged In By:	Caitlin Mars
Email:		ue Date:	10/27/23	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: Courier		
4. Was th	he 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 '	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
•	he sample received on ice? If yes, the recorded temp is 4°C, i.e.	6°+1°C				
12. was u	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	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
<u>Field La</u>	<u>ibel</u>					
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation_		Yes			
	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	ıls?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed		NA			
-			INA			
	tract Laboratory					
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA	6 1		
/ Y W/96	a supcontract japoratory specified by the client and if so	wno?	INA	Subcontract Lab: NA		

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



envirotech Inc.



# APPENDIX F

**Email Correspondence** 

From:	Velez, Nelson, EMNRD
To:	Ashley Giovengo
Cc:	clinton.talley@matadorresources.com; Cole Burton; Bratcher, Michael, EMNRD
Subject:	Re: [EXTERNAL] Matador Production - Extension Request - Margarita 5H 20230301-1600 Completions - Incident Number nAPP2306635043
Date:	Monday, June 26, 2023 7:53:42 AM
Attachments:	image001.png image002.png image003.png image004.png Outlook-ftpwofim.png

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

Good morning Ashley,

Your request for a time extension is approved to 08/28/2023. Remediation Due date has been updated in the incident page.

Please include a copy of this and all correspondence in your appropriate report(s). Thank you.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, June 23, 2023 3:48 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Matador Production - Extension Request - Margarita 5H 20230301-1600
Completions - Incident Number nAPP2306635043

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov http:// www.emnrd.nm.gov



From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Friday, June 23, 2023 3:32 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: clinton.talley@matadorresources.com; Cole Burton <cburton@ensolum.com>
Subject: [EXTERNAL] Matador Production - Extension Request - Margarita 5H 20230301-1600
Completions - Incident Number nAPP2306635043

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

All,

Matador Production is requesting an extension of the current deadline of May 30, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the Margarita 5H 20230301-1600 Completions site (Incident Number nAPP2306635043). The release occurred on March 01, 2023, and as a result, approximately 21 barrels of produced water was released. The previous operator of this site, Advance Energy Partners Holdings, LLC (Advance), submitted the C-141 Form to the New Mexico Oil Conservation Division (NMOCD) on March 08, 2023. Matador Resources has since assumed responsibility for this release due to the recent acquisition of oil and gas well properties previously owned by Advance. Matador would like to request a 90-day extension of this deadline until August 28, 2023, to complete delineation sampling and excavation activities and to submit a remediation work plan or closure report.

Thanks,



Ashley Giovengo Senior Engineer 575-988-0055 Ensolum, LLC

From:	Velez, Nelson, EMNRD
То:	Ashley Giovengo
Cc:	Cole Burton; Chad Hamilton; clinton.talley@matadorresources.com; Bratcher, Michael, EMNRD
Subject:	Matador Production - Extension Request - Margarita 5H 20230301 - 1600 Completions - Incident Number nAPP2306635043
Date:	Wednesday, August 23, 2023 9:51:47 AM
Attachments:	image.png image.png image.png Outlook-fivunxfs.png

Some people who received this message don't often get email from nelson.velez@emnrd.nm.gov. Learn why this is important

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

Good morning Ashley,

Your 60-day time extension request is approved. This is the second extension requested. Remediation Due date has been updated to October 27, 2023 within the incident page.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



#### previous email submittal;

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, August 22, 2023 3:04 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; clinton.talley@matadorresources.com
Subject: [EXTERNAL] Matador Production - Extension Request - Margarita 5H 20230301 - 1600
Completions - Incident Number nAPP2306635043

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

#### Hello,

Matador Production is requesting an extension of the current deadline of August 28, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the Margarita 5H 20230301-1600 Completions site (Incident Number nAPP2306635043). The release occurred on March 01, 2023, and as a result, approximately 21 barrels of produced water was released. The previous operator of this site, Advance Energy Partners Holdings, LLC (Advance), submitted the C-141 Form to the New Mexico Oil Conservation Division (NMOCD) on March 08, 2023. Matador Resources has since assumed responsibility for this release due to the recent acquisition of oil and gas well properties previously owned by Advance. An extension request was submitted to the Division on June 23, 2023, and approved on June 26, 2023, however due to the presence of frac operations at the site, there has been limited access to the spill area. As of August 04, 2023, frac operations have ceased and equipment has been mobilized from the immediate spill area. Delineation sampling will be completed by August 25, 2023, and laboratory analytical results will be ready for review in 5-7 business days.

Matador would like to request a 60-day extension of this deadline until October 27, 2023, to complete excavation activities, collect confirmation samples and to submit a remediation work plan or closure report.

Thanks,



Ashley Giovengo Senior Engineer 575-988-0055 Ensolum, LLC

Cole Burton		
Enviro, OCD, EMNRD		
Ashley Giovengo; Chad Hamilton		
48-hour Confirmation Sampling Notification Email - Margarita Federal Com #005H		
Friday, September 22, 2023 7:49:00 AM		
image001.png		
image002.png		
image003.png image004.png		

Hello,

We intend collect confirmation samples at Margarita Federal Com #005H site (nAPP2306635043) on Wednesday, September 27, 2023 and Thursday, September 28, 2023.

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

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5
E
i

Cole Burton Project Manager 575-706-5056 Ensolum, LLC

From:	Chad Hamilton		
То:	ocd.enviro@emnrd.nm.gov		
Cc:	Cole Burton; Ashley Giovengo; clinton.talley@matadorresources.com; Ethan Haft		
Subject:	48-hour Confirmation Sampling Notification Email - Margarita 13 Federal Com #005H - Incident Number nAPP2306635043		
Date:	Friday, October 13, 2023 7:14:00 AM		
Attachments:	image001.png image002.png image003.png image004.png		

Hello,

We intend to collect confirmation samples at Matador Production Company's Margarita 13 Federal Com #005H site (Incident Number *nAPP2306635043*) beginning on Tuesday, October 17, 2023, at 08:00 am MST through Friday, October 20, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



Chad Hamilton Staff Geologist 940-923-0072 Ensolum, LLC in f

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

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	280506
	Action Type:
	[C-141] Release Corrective Action (C-141)
	-

#### CONDITIONS

Created By Condition scwells None

Page 106 of 106 CONDITIONS

Action 280506

Condition Date

2/14/2024