

August 21, 2024

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

Airstrip Fee Com 1H 4" ROW Incident Number nAPP2413925956 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 Airstrip Fee Com 1H 4" ROW (Site). The Site is located in Unit O, Section 07, Township 19 South, Range 35 East, in Lea County, New Mexico (32.6679748°, -103.4953184°) and is associated with oil and gas exploration and production operations on Private Land.

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. Based on field observations, field screening activities, and soil sampling 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 nAPP2413925956.

BACKGROUND

On May 17, 2024, a produced water pipeline developed a leak, which resulted in the release of approximately 61 barrels (bbls) of produced water onto an off-pad area north of the caliche pad; none of the release produced water liquids were recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on May 18, 2024, and the release was subsequently assigned Incident Number nAPP2413925956. Matador submitted an initial C-141 application (Form C-141) on August 07, 2024.

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 the initial C-141 application subsection, Site Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, L 14208 POD1, located approximately 1,944 feet east of the Site. The well had a reported depth to groundwater greater than 78 feet below ground surface (bgs) and a total

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



depth of 78 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 2,886 feet northeast 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: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off-pad area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT ACTIVITIES

On May 17, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On May 23, 2024, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities. Five delineation soil samples (SS01 through SS05) were collected from around the release extent at ground surface to assess the lateral extent of release. Four boreholes were advanced via hand auger within the release extent to assess the vertical extent of the release. Boreholes (BH01 through BH04) were advanced to a depth of 2 feet bgs in boreholes BH01 and BH03 and 1-foot bgs in boreholes BH02 and BH02. Discrete delineation soil samples were collected from each borehole and field screened for chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental



Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Beginning on July 30, 2024, waste-containing soil was excavated from the off-pad spill area as indicated by visible staining, field screening activities, and laboratory analytical results from delineation soil samples. Excavation activities were performed using a trackhoe and transport vehicles. To direct excavation activities, Ensolum personnel screened soil for chloride. Borehole (BH01) was also advanced to a depth of 11 feet bgs via trackhoe to vertically delineate the release to the strictest Closure Criteria.

Following the removal of waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor 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 FS31) were collected from the floor of the excavation at depths ranging from 1.5 feet to 4 feet bgs. Confirmation sidewall soil samples (SW01 through SW11) were collected at depths ranging from ground surface to 4 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 6,200 square feet. A total of approximately 803 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 Hobbs New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS05), collected around the release extent, indicated all COC concentrations were compliant with Site Closure Criteria and with the reclamation requirement. Laboratory analytical results indicated that chloride concentrations exceeded the Site Closure Criteria at ground surface in boreholes BH01 and BH03. Laboratory analytical results for the vertical delineation soil samples collected from boreholes BH01 through BH04 indicated all COC concentrations were in compliance with the Site Closure Criteria and with the strictest criteria at a depth of 11 feet bgs in borehole BH01, 1-foot bgs in boreholes BH02 and BH04, and 2 feet bgs in borehole BH03.

Laboratory analytical results for excavation floor soil samples (FS01 through FS31) indicated all COC concentrations were in compliance with the Site Closure Criteria at depth ranging from 1.5 feet to 4 feet bgs and with the reclamation requirement. Laboratory analytical results for confirmation side wall samples (SW01 though SW11) indicated that COC concentrations were all in compliance with the reclamation requirement. Laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table I by delineation soil samples (SS01 through SS05), collected at ground surface, and vertically by boreholes (BH01 through BH04), collected at depths between 1-foot and 11 bgs. Excavation of the waste-containing soil area off pad was completed, and excavation floor samples (FS01 through FS31), collected at depths ranging from 1.5 feet to 4 feet bgs, and confirmation sidewall soil samples (SW01 through SW11), collected from ground surface to 4-feet bgs, were all in compliance with the Site Closure Criteria and with the reclamation requirement.



Based on the remedial actions completed to date and a depth to groundwater greater than 78 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2413925956.

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

Sincerely, **Ensolum, LLC**

Ashley Giovengo Senior Scientist

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

Appendices:

Figure 1	Site Receptor Map
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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 Floor Soil Samples)

Table 3 Soil Sample Analytical Results (Sidewall Soil Samples)

Appendix A Well Log and Record Appendix B Photographic Log

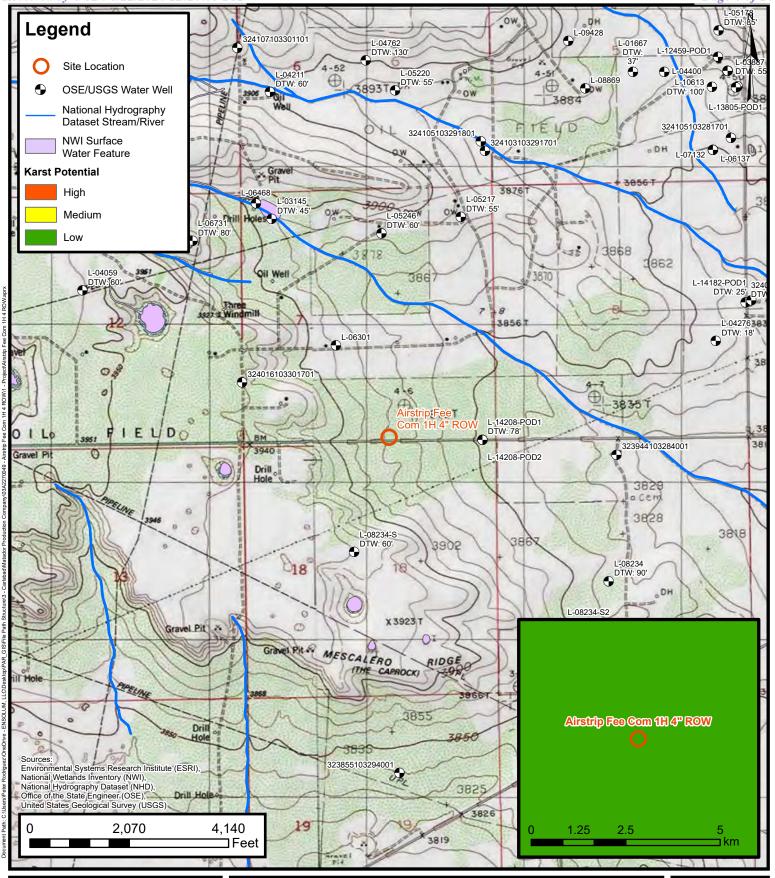
Appendix C Lithologic / Soil Sampling Logs

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E Email Correspondence



FIGURES

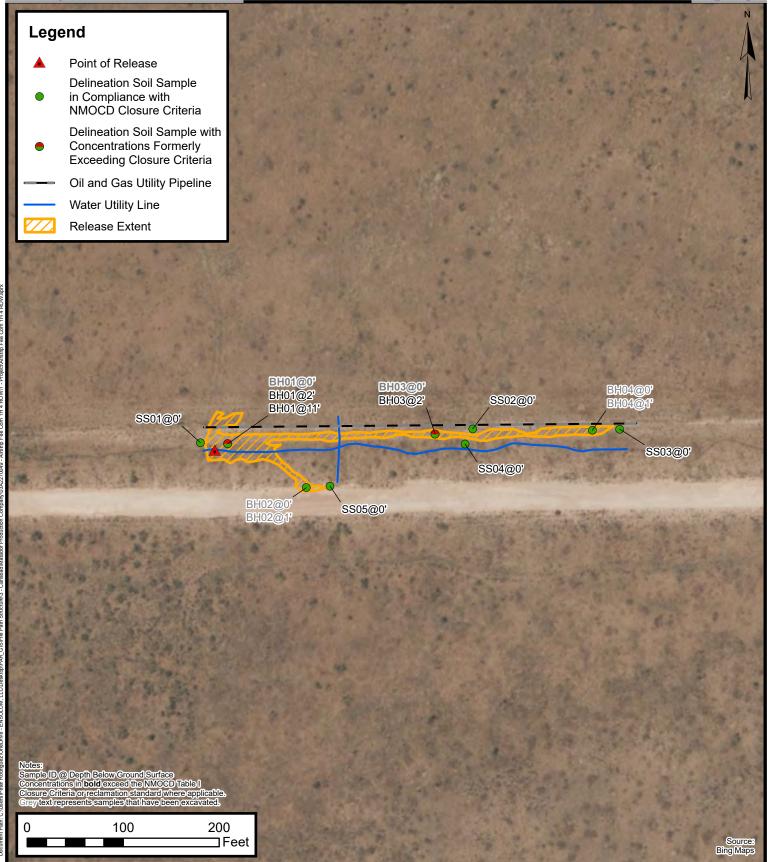




Site Receptor Map

Matador Production Company Airstrip Fee Com 1H 4" ROW Incident Number: nAPP2413925956 Unit O, Section 07, Township 19S, Range 35E Lea County, New Mexico FIGURE

1



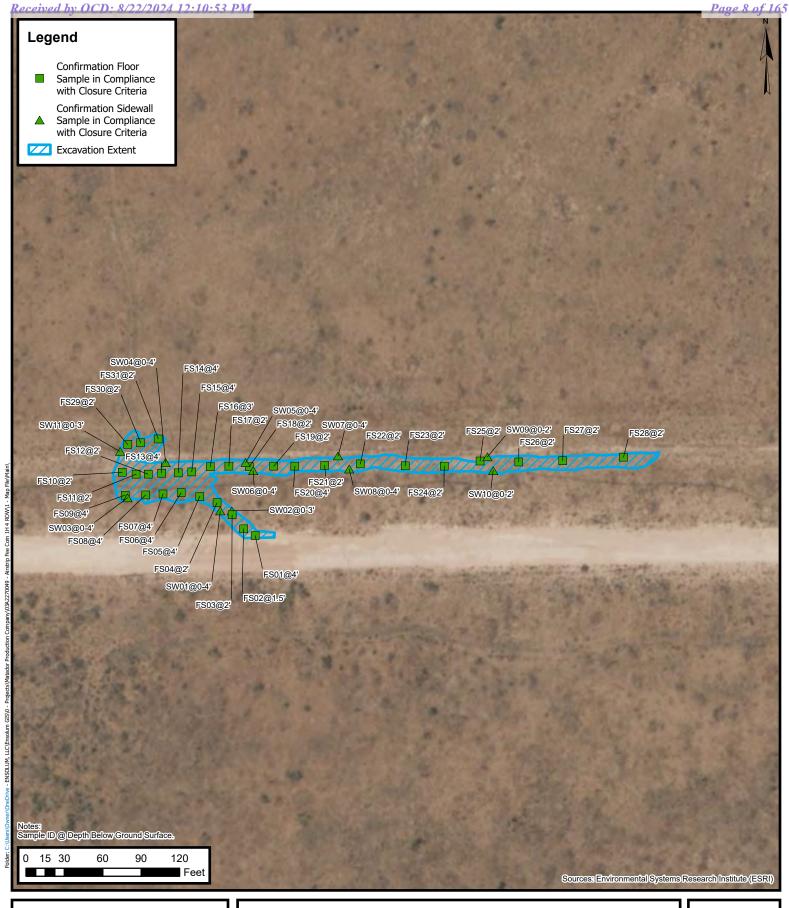


Delineation Soil Sample Locations

Matador Production Company Airstrip Fee Com 1H 4" ROW Incident Number: nAPP2413925956

Unit O, Section 07, Township 19S, Range 35E Lea County, New Mexico 2

FIGURE





Confirmation Soil Sample Locations

Matador Production Company Airstrip Fee Com 1H 4 ROW Incident Number: nAPP2413925956 O-7-19S-35E Lea County, New Mexico FIGURE 3



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Airstrip Fee Com 1H 4" ROW **Matador Production Company** Lea County, New Mexico

					oounty, non mo					
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	10,000
				Delin	neation Soil San	nples				
SS01	5/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS02	5/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS03	5/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS04	5/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS05	5/23/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH01	5/23/2024	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	16,100
BH01	5/23/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	3,700
BH01	8/6/2024	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	445
BH02	5/23/2024	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH02	5/23/2024	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	22.3
BH03	5/23/2024	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	28,800
BH03	5/23/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	114
BH04	5/23/2024	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	108
BH04	5/23/2024	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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



TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

Airstrip Fee Com 1H 4" ROW **Matador Production Company** Lea County, New Mexico

					Source, recur inc							
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	10,000		
	Excavation Floor Soil Samples											
FS01	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.5		
FS02	8/1/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	283		
FS03	8/1/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157		
FS04	8/1/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	205		
FS05	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	862		
FS06	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	573		
FS07	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,550		
FS08	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,830		
FS09	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,110		
FS10	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,430		
FS11	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,370		
FS12	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,280		
FS13	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,600		
FS14	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	852		
FS15	8/2/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102		
FS16	8/2/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222		
FS17	8/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		

Notes:

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

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

^{*} 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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TABLE 2 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Airstrip Fee Com 1H 4" ROW Matador Production Company Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	NMOCD Table I Closure Criteria (NMAC 19.15.29)			50	NE	NE	NE	1,000	2,500	10,000
	Excavation Floor Soil Samples									
FS18	8/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.9
FS19	8/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176
FS20	8/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
FS21	8/5/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	210
FS22	8/5/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	138
FS23	8/5/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	178
FS24	8/5/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	181
FS25	8/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	381
FS26	8/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	48.3
FS27	8/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112
FS28	8/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
FS29	8/1/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.4
FS30	8/1/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.5
FS31	8/1/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

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NMOCD: New Mexico Oil Conservation Division

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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.



TABLE 3

SOIL SAMPLE ANALYTICAL RESULTS

Airstrip Fee Com 1H 4" ROW Matador Production Company Lea County, New Mexico

					County, New Mic					
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	10,000
				Sic	dewall Soil Samp	les				
SW01	8/1/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	8/1/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW03	8/2/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW04	8/2/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.1
SW05	8/2/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06	8/2/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW07	8/6/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	581
SW08	8/2/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW09	8/6/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	209
SW10	8/6/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW11	8/6/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

[&]quot;<": Laboratory Analytical result is less than reporting limit

^{*} 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.



APPENDIX A

Well Log and Record

Released to Imaging: 10/8/2024 2:25:49 PM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD N	IMBER (WELL	NUMBER)	_		OSEFILENUM					
No		t=	= POE	<u> </u>	-	L-1	4208	2 - 1 			
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17											
	LICENSE N	DMBER	NAME OF LICENSED	DRULER			NAME OF WELL DR	LLING COMPANY			
	MBI	1e26	Rout	Tanla			Roy Tay	for Ovillia	10		
	DRULING STARTED DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT)										
-	10/5	16	10/5/16	78'	7	8-1	1	ング			
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ð	COMPLETED WELL IS: ARTESIAN DRY HOLE DISHALLOW (UNCONFINED)										
ATI	DRELING F	LUID:	☐ AIR.	MUD ADDITIVES - SPE	CFY:		·				
& CASING INFORMATION	DRILLING A	ÆTHOD:	ROTARY	☐ HAMMER ☐ CABLE TOOL	ОТНЕ	R - SPECIFY:					
N	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OR	C	SING	CASING	CASING WALL	SLOT		
Ğ	FROM	ТО	DIAM	GRADE (include each casing string, and	CONN	ECTION	INSIDE DIAM.	THICLESESS	20 STAR		
ASI	_		(inches)	note sections of screen)	T	YPE	(inches)	(inclies)	Sinches)		
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				13							
DRITTING								· lange	FILE		
			4					Advisory Advisory Water State			
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	=										
	DEPTH	(feet bgl)	BORE HOLE	LIST ANNULAR SEAL MA	TUDIAT A	NT:	AMOUNT	METHO	OD OF		
13	FROM	40	DIAM. (inches)	GRAVEL PACK SIZE-RANGI			(cubic feet)	PLACE			
ERI				Plugged we	11			74	·		
T.				77					·		
7. N											
3. Annular material		,									
Z Z											
6								•			
			at in the state of				-	Tona de la companya d			
FOR	OSE INTER		_			WR-20	WELL RECORD &	t LOG (Version 06/	08/2012)		
FILE	FILE NUMBER L-14208 POD NUMBER TRN NUMBER 593145										
100	1 IDION	2-2-	a 195	5.35E.18	EXI	Junn	DALL	p + 0.1	1		
	2-2-2 195.35E.18 Exploratory										

	 									
	DEPTH (feet bgl)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTEMATED YIELD FOR				
	FROM	то	(feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONI (attach supplemental sheets to fully describe all units)	BEARING? (YES/NO)	WATER- BEARING ZONES (gpm)				
	0	2	2	Too Soil	DY KIN					
	ス	15	13	Caliche	DY DEN					
	15	30	15	Hard Rock	DY MN					
-	30	38	8	Sand	DY N					
	- 38	78	40	Red Clan	DY MY					
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4. HYDROGEOLOGIC LOG OF WELL					OY ON					
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	METHOD U	SED TO ES	TOTAL ESITMATED							
	☐ AIR LIF	r 🔲 I	WELL YIELD (gpm):	ව						
Z	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IM IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV						
O S	XUGUETT A		ORMATION:							
ERV	MIOCELLA	ÜKOOPHAL	ORMALION,	e a						
Sin		ż.								
test; ric supervision										
T.S.	PRINT NAM	Æ(S) OF DE	CILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ISTRUCTION OTHER TE	IAN LICENSEE:				
ئة. <u>1</u>		1		•	•					
					-					
SICNATURE	CORRECT	RECORD OF	THE ABOVE D	ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELL ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL B D DAYS AFTER COMPLETION OF WELL DRILLING:						
(AT			•							
5	1			12 Taula	10/10/16					
병	Trug "	SIGNATI	P URE OF DRILLE	R / PRINT SIGNEE NAME	DATE					
					— 1 - 2 m					
FOF	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 06/08/2012)									

Released to Imaging: 10/8/2024 2:25:49 PM



APPENDIX B

Photographic Log



Photographic Log

Matador Production Company Airstrip Fee Com 1H 4" ROW Incident Number nAPP2413925956





Photograph 1

Description: Initial Release View: Northeast Photograph 2

Date: 05/17/2024

Date: 05/17/2024

Description: Initial Release

View: East

Date: 05/17/2024





Photograph 3

Description: Initial Release

View: East

Photograph 4

Description: Initial Release

View: East

Date: 05/17/2024



Photographic Log

Matador Production Company Airstrip Fee Com 1H 4" ROW Incident Number nAPP2413925956





Photograph 5 Date: 05/23/2024

Description: Delineation Sampling

View: Southwest

Photograph 6 Date: 05/23/2024

Description: Delineation Sampling

View: South





Photograph 7 Date: 05/23/2024

Description: Delineation Sampling

View: East

Photograph 8 Date: 05/23/2024

Description: Delineation Sampling

View: West

ENSOLUM

Photographic Log

Matador Production Company Airstrip Fee Com 1H 4" ROW Incident Number nAPP2413925956





Photograph 9 Date: 07/30/2024 Photograph 10 Date: 07/30/2024

Description: Hydrovac View: East Description: Hydrovac
View: North





Photograph 11 Date: 07/31/2024 Photograph 12 Date: 07/31/2024

Description: Hydrovac Description: Excavation Activities

View: Southeast View: Southwest

ENSOLUM

Photographic Log

Matador Production Company Airstrip Fee Com 1H 4" ROW Incident Number nAPP2413925956





Photograph 13 Date: 07/31/2024

Description: Excavation Activities

View: Southwest

Photograph 14 Date: 08/01/2024

Description: Excavation Activities

View: West





Photograph 15 Date: 08/01/2024

Description: Excavation Activities

View: West

Photograph 16 Date: 08/01/2024

Description: Excavation Activities

View: Southeast



Photographic Log

Matador Production Company Airstrip Fee Com 1H 4" ROW Incident Number nAPP2413925956





Date: 08/02/2024

Photograph 17 Date: 08/01/2024

Description: Excavation Activities

View: West

Photograph 18

Description: Excavation Activities

View: East





Photograph 19 Date: 08/02/2024

Description: Excavation Activities

View: Northeast

Photograph 20 Date: 08/05/2024

Description: Excavation Activities

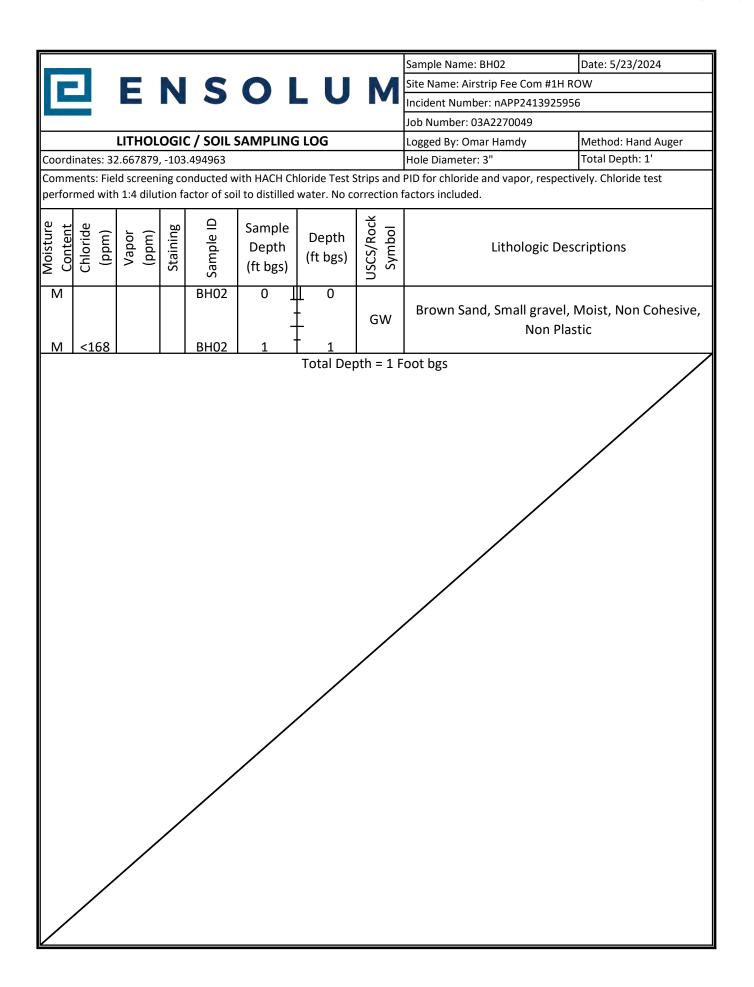
View: Southwest

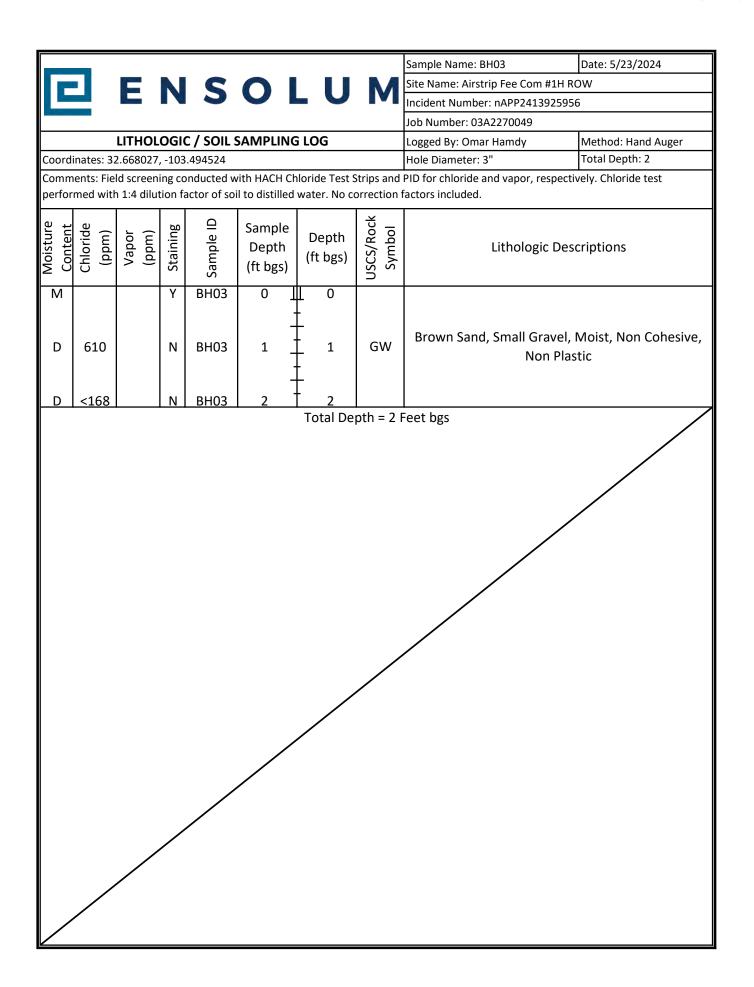


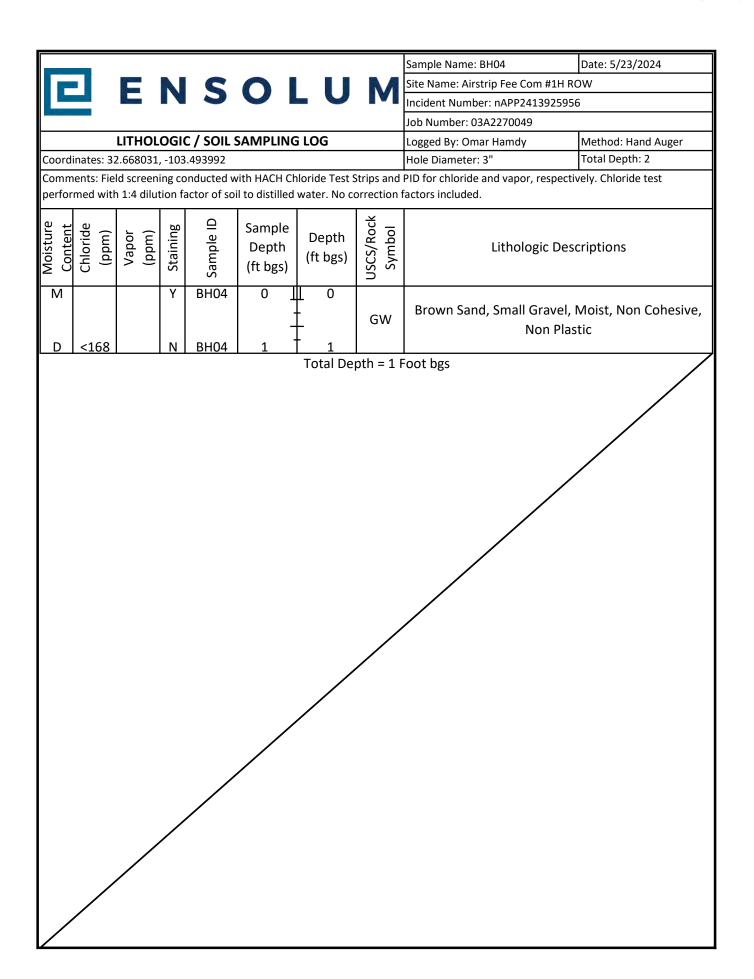
APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: BH01	Date: 8/6/2024			
	7		NI	C	OL		R.A	Site Name: Airstrip Fee Com #1H I				
			V	3		_ U		Incident Number: nAPP24139259				
								Job Number: 03A2270049				
		LITHOL	OGIO	C / SOIL S	AMPLING	LOG		Logged By: Brandon Deal	Method: Trackhoe			
Coord	inates: 32	2.668008	, -103	.495227				Hole Diameter: 2'	Total Depth: 11'			
	Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions			
М			Υ	BH01	1	0						
D	>3,617		N	BH01	- - - - -	- - - 1 	SW	Brown Sand, Dry, Non C	ohesive, Non Plastic			
D	>3,617		N	BH01		_ 2						
D D			N N N	BH01 BH01 BH01	- - - - - - - - -	- - - - - - - - - - - - - - - - - - -	ССНЕ		, White, Small Gravel, Dry, Non esive, Non Plastic			
D D			N N	BH01 BH01	- - - - - - - - -	- 6 - 7		Conesive, Non Plastic				
D	>3,617		N	BH01	-	- _ 8 -						
D	2,380		N	BH01	- - - -	- - 9 -	SW	Tan Sand with gravel, Small Gravel, Dry, N				
D	1,159		N	BH01	- - - -	10 		Cohesive, Non Plastic				
D	347		N	BH01	-	11						
						Total Dep	th = 11	Feet bgs				





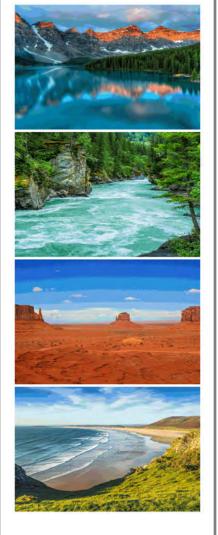




APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Airship Fee Com #1H ROW

Work Order: E405367

Job Number: 23003-0002

Received: 5/28/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/6/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/6/24

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

Project Name: Airship Fee Com #1H ROW

Workorder: E405367

Date Received: 5/28/2024 10:00:41AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/28/2024 10:00:41AM, under the Project Name: Airship Fee Com #1H ROW.

The analytical test results summarized in this report with the Project Name: Airship Fee Com #1H ROW apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative
Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS 01 - 0'	5
SS 02 - 0'	6
SS 03 - 0'	7
SS 04 - 0'	8
SS 05 - 0'	9
BH 01 - 2'	10
BH 02 - 1'	11
BH 03 - 2'	12
BH 04 - 1'	13
BH 01 - 0'	14
QC Summary Data	15
QC - Volatile Organic Compounds by EPA 8260B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc	20

Sample Summary

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	Donoutoda	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/06/24 12:34	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS 01 - 0'	E405367-01A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
SS 02 - 0'	E405367-02A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
SS 03 - 0'	E405367-03A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
SS 04 - 0'	E405367-04A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
SS 05 - 0'	E405367-05A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH 01 - 2'	E405367-06A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH 02 - 1'	E405367-07A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH 03 - 2'	E405367-08A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH 04 - 1'	E405367-09A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH 01 - 0'	E405367-10A	Soil	05/23/24	05/28/24	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2024 12:34:04PM

SS 01 - 0' E405367-01

	-	Reporting		_			
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2422075
Benzene	ND	0.0250	1		05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	l	05/30/24	06/03/24	
Toluene	ND	0.0250	1	Į.	05/30/24	06/03/24	
o-Xylene	ND	0.0250	1	Į.	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	l	05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1		05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		93.6 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: BA			Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		93.6 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	СН		Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l .	06/03/24	06/05/24	
Surrogate: n-Nonane		105 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: [DT		Batch: 2423015
Chloride	ND	20.0	1		06/03/24	06/03/24	



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2024 12:34:04PM

SS 02 - 0' E405367-02

		E405307-02					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Analyte	Result	Limit	Ditt	ation	Trepared	Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2422075
Benzene	ND	0.0250		1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250		1	05/30/24	06/03/24	
Toluene	ND	0.0250		1	05/30/24	06/03/24	
o-Xylene	ND	0.0250		1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500		1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		94.0 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		94.0 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	:	1	06/03/24	06/05/24	
Surrogate: n-Nonane		97.7 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423015
Chloride	ND	20.0		1	06/03/24	06/03/24	

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2024 12:34:04PM

SS 03 - 0' E405367-03

		E405307-03				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilui	non Prepared	Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA		Batch: 2422075
Benzene	ND	0.0250	1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	05/30/24	06/03/24	
Toluene	ND	0.0250	1	05/30/24	06/03/24	
p-Xylene	ND	0.0250	1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		94.0 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg		A	Analyst: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		94.0 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	06/05/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	06/05/24	
Surrogate: n-Nonane		105 %	50-200	06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2423015
Chloride	ND	20.0	1	06/03/24	06/04/24	

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

SS 04 - 0' E405367-04

	_	Reporting	_	_			
Analyte	Result	Limit	Dilut	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA			Batch: 2422075
Benzene	ND	0.0250	1	0.5	5/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	05	5/30/24	06/03/24	
Toluene	ND	0.0250	1	05	5/30/24	06/03/24	
o-Xylene	ND	0.0250	1	05	5/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	05	5/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	05	5/30/24	06/03/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130	05	5/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05	5/30/24	06/03/24	
Surrogate: Toluene-d8		95.0 %	70-130	05	5/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 05	5/30/24	06/03/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130	05	5/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05	5/30/24	06/03/24	
Surrogate: Toluene-d8		95.0 %	70-130	05	5/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH			Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	06	5/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06	5/03/24	06/05/24	
Surrogate: n-Nonane		94.0 %	50-200	06	5/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2423015
Allions by ETA 300:0/7030A							



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2024 12:34:04PM

SS 05 - 0' E405367-05

		E403307-03				
Aughte	Result	Reporting Limit	Dilut	ion Drong 1	A molyage J	Notes
Analyte	Kesuit	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA		Batch: 2422075
Benzene	ND	0.0250	1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	05/30/24	06/03/24	
Toluene	ND	0.0250	1	05/30/24	06/03/24	
o-Xylene	ND	0.0250	1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		95.2 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		95.2 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	06/05/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	06/05/24	
Surrogate: n-Nonane		99.6 %	50-200	06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2423015
Chloride	ND	20.0	1	06/03/24	06/04/24	

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

BH 01 - 2' E405367-06

Austra	Result	Reporting Limit	Dilut	i D	d Austral	Notes
Analyte	Result	Limit	טווענ	tion Prepared	d Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA		Batch: 2422075
Benzene	ND	0.0250	1	05/30/24	4 06/03/24	
Ethylbenzene	ND	0.0250	1	05/30/24	4 06/03/24	
Toluene	ND	0.0250	1	05/30/24	4 06/03/24	
o-Xylene	ND	0.0250	1	05/30/24	4 06/03/24	
p,m-Xylene	ND	0.0500	1	05/30/24	4 06/03/24	
Total Xylenes	ND	0.0250	1	05/30/24	4 06/03/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130	05/30/24	4 06/03/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/30/24	4 06/03/24	
Surrogate: Toluene-d8		94.4 %	70-130	05/30/24	4 06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	4 06/03/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130	05/30/24	4 06/03/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/30/2	4 06/03/24	
Surrogate: Toluene-d8		94.4 %	70-130	05/30/24	4 06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	4 06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	4 06/05/24	
Surrogate: n-Nonane		98.6 %	50-200	06/03/24	4 06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2423015
Chloride	3700	40.0	2	06/03/24	4 06/04/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

BH 02 - 1' E405367-07

		E403307-07					
	D 1	Reporting					N.
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA			Batch: 2422075
Benzene	ND	0.0250	1	0	5/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	0	5/30/24	06/03/24	
Toluene	ND	0.0250	1	0.	5/30/24	06/03/24	
o-Xylene	ND	0.0250	1	0.	5/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	0.	5/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	0	5/30/24	06/03/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130	0.	5/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	0.	5/30/24	06/03/24	
Surrogate: Toluene-d8		95.2 %	70-130	0.	5/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA			Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	0.	5/30/24	06/03/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130	0.	5/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	0.	5/30/24	06/03/24	
Surrogate: Toluene-d8		95.2 %	70-130	0.	5/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH			Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	0	6/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	0	6/03/24	06/05/24	
Surrogate: n-Nonane		103 %	50-200	0	6/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2423015
Chloride	22.3	20.0	1	0	6/03/24	06/04/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

BH 03 - 2' E405367-08

		E403307-00					
Andre	D l4	Reporting	Dilu	4:	D 1	Austral	Notes
Analyte	Result	Limit	Dilu	ition .	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: BA			Batch: 2422075
Benzene	ND	0.0250	1	1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	1	05/30/24	06/03/24	
Toluene	ND	0.0250	1	l (05/30/24	06/03/24	
o-Xylene	ND	0.0250	1	1 (05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	1 (05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	1 '	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		94.1 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: BA			Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	1 (05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		05/30/24	06/03/24	
Surrogate: Toluene-d8		94.1 %	70-130		05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/03/24	06/05/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/03/24	06/05/24	
Surrogate: n-Nonane		76.2 %	50-200		06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2423015
Chloride	114	20.0	1	1	06/03/24	06/04/24	

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

BH 04 - 1' E405367-09

		E403307-07				
Analyte	Result	Reporting Limit	Dilu	tion Prepared	d Analyzed	Notes
Analyte	Result	Limit	Dilu	tion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: BA		Batch: 2422075
Benzene	ND	0.0250	1	05/30/24	4 06/03/24	
Ethylbenzene	ND	0.0250	1	05/30/24	4 06/03/24	
Toluene	ND	0.0250	1	05/30/24	4 06/03/24	
o-Xylene	ND	0.0250	1	05/30/24	4 06/03/24	
p,m-Xylene	ND	0.0500	1	05/30/24	4 06/03/24	
Total Xylenes	ND	0.0250	1	05/30/24	4 06/03/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130	05/30/2	4 06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/30/2-	4 06/03/24	
Surrogate: Toluene-d8		93.7 %	70-130	05/30/24	4 06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	4 06/03/24	
Surrogate: Bromofluorobenzene		98.6 %	70-130	05/30/2	4 06/03/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/30/2	4 06/03/24	
Surrogate: Toluene-d8		93.7 %	70-130	05/30/2	4 06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KH		Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	4 06/05/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	4 06/05/24	
Surrogate: n-Nonane		91.7 %	50-200	06/03/2	4 06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT		Batch: 2423015
Chloride	ND	20.0	1	06/03/24	4 06/04/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

BH 01 - 0' E405367-10

Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Maryte				1	rmaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: BA		Batch: 2422075
Benzene	ND	0.0250	1	05/30/24	06/03/24	
Ethylbenzene	ND	0.0250	1	05/30/24	06/03/24	
Toluene	ND	0.0250	1	05/30/24	06/03/24	
o-Xylene	ND	0.0250	1	05/30/24	06/03/24	
p,m-Xylene	ND	0.0500	1	05/30/24	06/03/24	
Total Xylenes	ND	0.0250	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		94.2 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: BA		Batch: 2422075
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	06/03/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130	05/30/24	06/03/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/30/24	06/03/24	
Surrogate: Toluene-d8		94.2 %	70-130	05/30/24	06/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KH		Batch: 2423023
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/24	06/05/24	
Surrogate: n-Nonane		94.0 %	50-200	06/03/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2423015
Chloride	16100	400	20	06/03/24	06/04/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6	/6/2024 12:34:04PM
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			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 (2422075-BLK1)						I	Prepared: 0	5/30/24 Ana	alyzed: 06/03/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			
LCS (2422075-BS1)						F	Prepared: 0	5/30/24 Ana	alyzed: 06/05/24
Benzene	2.95	0.0250	2.50		118	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.49	0.0250	2.50		99.4	70-130			
o-Xylene	2.25	0.0250	2.50		90.2	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.7	70-130			
Total Xylenes	6.94	0.0250	7.50		92.5	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.461		0.500		92.2	70-130			
LCS Dup (2422075-BSD1)						I	Prepared: 0	5/30/24 Ana	alyzed: 06/03/24
Benzene	2.69	0.0250	2.50		108	70-130	9.30	23	
Ethylbenzene	2.65	0.0250	2.50		106	70-130	2.49	27	
Toluene	2.50	0.0250	2.50		100	70-130	0.622	24	
o-Xylene	2.39	0.0250	2.50		95.7	70-130	5.92	27	
p,m-Xylene	4.97	0.0500	5.00		99.5	70-130	5.97	27	
Total Xylenes	7.36	0.0250	7.50		98.2	70-130	5.96	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			

0.500

70-130



Surrogate: Toluene-d8

0.485

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: BA

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

Blank (2422075-BLK1)						Prepared: 05	5/30/24 Anal	yzed: 06/03/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.503		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500	102	70-130			
Surrogate: Toluene-d8	0.481		0.500	96.1	70-130			
LCS (2422075-BS2)						Prepared: 05	5/30/24 Anal	yzed: 06/03/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	93.6	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500	102	70-130			
Surrogate: Toluene-d8	0.489		0.500	97.8	70-130			
LCS Dup (2422075-BSD2)						Prepared: 05	5/30/24 Anal	yzed: 06/03/24
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	107	70-130	13.3	20	
Surrogate: Bromofluorobenzene	0.516		0.500	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500	98.3	70-130			
Surrogate: Toluene-d8	0.488		0.500	97.5	70-130			



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/6/2024 12:34:04PM

Danas 17, 73240		1 Toject Wianage	i. As	sincy Glovens	30				0/0/2021 12.51.011141
	Nonha	Analyst: KH							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423023-BLK1)							Prepared: 0	6/03/24 Aı	nalyzed: 06/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			
LCS (2423023-BS1)							Prepared: 0	6/03/24 Aı	nalyzed: 06/05/24
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
LCS Dup (2423023-BSD1)							Prepared: 0	6/03/24 Aı	nalyzed: 06/05/24
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132	0.0839	20	
Surrogate: n-Nonane	54.5		50.0		109	50-200			

Chloride

Analyst: DT

QC Summary Data

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2024 12:34:04PM

Anions by EPA 300.0/9056A

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2423015-BLK1)							Prepared: 0	6/03/24 Anal	yzed: 06/03/24
Chloride	ND	20.0							
LCS (2423015-BS1)							Prepared: 0	6/03/24 Anal	yzed: 06/03/24
Chloride	250	20.0	250		100	90-110			
LCS Dup (2423015-BSD1)							Prepared: 0	6/03/24 Anal	yzed: 06/03/24

250

20.0

100

90-110

0.133

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/06/24 12:34

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample II	D		Field	Nur Pur	nber	DRO/ORO by 8015	GRO/DRO by 8015	втех _{by} 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TC	RCRA 8 Metals					···	uiks		
9:45	5/23/2024	Soil	1			SS 01- 0	,			1			1			Ĭ	x										1
9:15	5/23/2024	Soil	1			SS 02- 0	,•			2	2						х										
9:20	5/23/2024	Soil	1			SS 03- 0	,			(2)	3					Ì	х]
9:25	5/23/2024	Soil	1			SS 04-0'	1			L	1						х										
9:30	5/23/2024	Soil	1			SS 05- 0	,•		1	5	5						х										
10:25	5/23/2024	Soil	1			BH 01- 2	<u>.</u>			(0						х										
10:45	5/23/2024	Soil	1			BH 02 - 1	1' 				7						х										
11:25	5/23/2024	Soil	1			BH 03 - 2	2'			^	8						x										
11:50	5/23/2024	Soil	1			BH 04 - 1	1'			(1						х										
12:10	5/23/2024	Soil	1			BH 01 - 0	0'			1	0						x										
Addition	al Instructio	ns: Ple	ase CC: cb	urton@ens	solum.com	, agioven	go@enso	olum.com, o	:hamil	ton@e	ensolui	m.co	m, ie	estre	lla@	enso	olum.	con	1								
	oler), attest to the Omar Hamd											date or	r time (of colle	ection	s con	sidered	fraud	n bns b	nay be	groui	nds for	legal action.				
Relinguish	Omar Hamd	re)	Date 5	24/24	1005	Mich	by Signat	i ondali	& 5	24-8	14	ime 10	00S			ļ		or rec	eived p		in ice a	t an avg	ist be received temp above (
Relinquish Wic	ad bygg(Signatyı	re) onzal	Date	~	(L)	Received	by: (Signati	ure)		. <u></u>		1 9	SOC	<u> </u>		Ì	Recei			:e:	\sim	b Us N	e Only				
r V.	ed by: (Signatur		Date	૮૫.૮૫ 🖥	<u>2400</u>	Received	by: (Signat	ure)	Da	28	24	IC	\propto	2			<u>T1</u>			_	<u>T2</u>			<u>T3</u>			,
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Sample Mat	rix: S - Soil, Sd - S	iolid, S g - Slu	dge, A - Aque	ous, O - Other_					10	ntaine	r Type:	0-0	1255	n - nc	าไข/ท	actic	20-	amb	er gla	ISS. V	/ - VO	A					1

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Printed: 5/28/2024 1:57:02PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/28/24	10:00	Work Order ID:	E405367
Phone:	(972) 371-5200	Date Logged In:	05/25/24	19:03	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:		17:00 (5 day TAT)	28 7	
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location m	atch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requ	ested analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucs				Comment	ts/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
•	ne sample received on ice? If yes, the recorded temp is 4°	C ie 6°+2°C	Yes			
12. Was ti	Note: Thermal preservation is not required, if samples minutes of sampling		168			
13. If no	visible ice, record the temperature. Actual samp	le temperature: 4°	<u>C</u>			
Sample (<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are \	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct container	rs?	Yes			
19. Is the	appropriate volume/weight or number of sample conta	ainers collected?	Yes			
Field La	bel					
20. Were	field sample labels filled out with the minimum in	formation:				
S	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were	preserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
24. Is lab	filteration required and/or requested for dissolved	metals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiple		No			
27. If yes	s, does the COC specify which phase(s) is to be and	alyzed?	NA			
Subconti	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laborar	tory?	No			
29. Was a	a subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: NA		
Client I	nstruction					
<u>CHERT</u>						
1						
1						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Airship Fee Com #1H ROW

Work Order: E405368

Job Number: 23003-0002

Received: 5/28/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/5/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/5/24

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

Project Name: Airship Fee Com #1H ROW

Workorder: E405368

Date Received: 5/28/2024 10:00:41AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/28/2024 10:00:41AM, under the Project Name: Airship Fee Com #1H ROW.

The analytical test results summarized in this report with the Project Name: Airship Fee Com #1H ROW apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative
Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH 02 - 0'	5
BH 03 - 0'	6
BH 04 - 0'	7
QC Summary Data	8
QC - Volatile Organic Compounds by EPA 8260B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	Donoutode
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/05/24 11:25

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH 02 - 0'	E405368-01A Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH 03 - 0'	E405368-02A Soil	05/23/24	05/28/24	Glass Jar, 2 oz.
BH 04 - 0'	E405368-03A Soil	05/23/24	05/28/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2024 11:25:20AM

BH 02 - 0' E405368-01

		E403300-01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilu	iion	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: 1	IY		Batch: 2422073
Benzene	ND	0.0250	1		05/30/24	06/01/24	
Ethylbenzene	ND	0.0250	1		05/30/24	06/01/24	
Toluene	ND	0.0250	1		05/30/24	06/01/24	
o-Xylene	ND	0.0250	1		05/30/24	06/01/24	
p,m-Xylene	ND	0.0500	1		05/30/24	06/01/24	
Total Xylenes	ND	0.0250	1		05/30/24	06/01/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/30/24	06/01/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130		05/30/24	06/01/24	
Surrogate: Toluene-d8		103 %	70-130		05/30/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: 1	IY		Batch: 2422073
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/30/24	06/01/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/30/24	06/01/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130		05/30/24	06/01/24	
Surrogate: Toluene-d8		103 %	70-130		05/30/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1		05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1		05/31/24	06/01/24	
Surrogate: n-Nonane		111 %	50-200		05/31/24	06/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	DT		Batch: 2422117
Chloride	ND	20.0	1		05/31/24	06/01/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/5/2024 11:25:20AM

BH 03 - 0' E405368-02

Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilutio	n rrepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2422073
Benzene	ND	0.0250	1	05/30/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/30/24	06/01/24	
Toluene	ND	0.0250	1	05/30/24	06/01/24	
o-Xylene	ND	0.0250	1	05/30/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/30/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/30/24	06/01/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/30/24	06/01/24	
Surrogate: 1,2-Dichloroethane-d4		88.8 %	70-130	05/30/24	06/01/24	
Surrogate: Toluene-d8		106 %	70-130	05/30/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2422073
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/30/24	06/01/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/30/24	06/01/24	
Surrogate: 1,2-Dichloroethane-d4		88.8 %	70-130	05/30/24	06/01/24	
Surrogate: Toluene-d8		106 %	70-130	05/30/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
Surrogate: n-Nonane		105 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	aalyst: DT		Batch: 2422117
Chloride	28800	1000	50	05/31/24	06/01/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/5/2024 11:25:20AM

BH 04 - 0' E405368-03

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2422073
Benzene	ND	0.0250		1	05/30/24	06/01/24	
Ethylbenzene	ND	0.0250		1	05/30/24	06/01/24	
Toluene	ND	0.0250		1	05/30/24	06/01/24	
p-Xylene	ND	0.0250		1	05/30/24	06/01/24	
p,m-Xylene	ND	0.0500		1	05/30/24	06/01/24	
Total Xylenes	ND	0.0250		1	05/30/24	06/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/30/24	06/01/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/30/24	06/01/24	
Surrogate: Toluene-d8		104 %	70-130		05/30/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2422073
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/30/24	06/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/30/24	06/01/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/30/24	06/01/24	
Surrogate: Toluene-d8		104 %	70-130		05/30/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0		1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/31/24	06/01/24	
Surrogate: n-Nonane		105 %	50-200		05/31/24	06/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2422117
Chloride	108	20.0		1	05/31/24	06/01/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/5/2024 11:25:20AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			(5/5/2024 11:25:20AN
	Ve	olatile Organ	ic Compo	unds by EI	PA 8260	В			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 (2422073-BLK1)]	Prepared: 0:	5/30/24 An	alyzed: 06/01/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500		89.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			
LCS (2422073-BS1)]	Prepared: 0:	5/30/24 An	alyzed: 06/01/24
Benzene	2.32	0.0250	2.50		92.7	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.0	70-130			
Toluene	2.47	0.0250	2.50		98.7	70-130			
o-Xylene	2.50	0.0250	2.50		100	70-130			
p,m-Xylene	5.01	0.0500	5.00		100	70-130			
Total Xylenes	7.52	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			
LCS Dup (2422073-BSD1)						1	Prepared: 0:	5/30/24 An	alyzed: 06/01/24
Benzene	2.30	0.0250	2.50		92.1	70-130	0.563	23	
Ethylbenzene	2.48	0.0250	2.50		99.3	70-130	0.282	27	
Toluene	2.50	0.0250	2.50		100	70-130	1.27	24	
o-Xylene	2.61	0.0250	2.50		104	70-130	4.15	27	
p,m-Xylene	5.16	0.0500	5.00		103	70-130	2.81	27	
Total Xylenes	7.77	0.0250	7.50		104	70-130	3.26	27	
Surrogate: Bromofluorobenzene	0.562		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
-									

0.500

70-130

0.529



Surrogate: Toluene-d8

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/5/2024 11:25:20AM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

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 (2422073-BLK1)						Prepared: 0:	5/30/24 Ana	lyzed: 06/01/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.538		0.500	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500	89.9	70-130			
Surrogate: Toluene-d8	0.523		0.500	105	70-130			
LCS (2422073-BS2)						Prepared: 0	5/30/24 Ana	lyzed: 06/01/24
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	101	70-130			
Surrogate: Bromofluorobenzene	0.562		0.500	112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.1	70-130			
Surrogate: Toluene-d8	0.536		0.500	107	70-130			
LCS Dup (2422073-BSD2)						Prepared: 0	5/30/24 Ana	lyzed: 06/01/24
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	102	70-130	1.23	20	
Surrogate: Bromofluorobenzene	0.558		0.500	112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500	93.3	70-130			
Surrogate: Toluene-d8	0.546		0.500	109	70-130			

Surrogate: n-Nonane

QC Summary Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/5/2024 11:25:20AM

	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2422111-BLK1)							Prepared: 0	5/31/24 A	nalyzed: 05/31/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.4		50.0		103	50-200			
LCS (2422111-BS1)							Prepared: 0	5/31/24 A	nalyzed: 05/31/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			
LCS Dup (2422111-BSD1)							Prepared: 0	5/31/24 A	nalyzed: 06/01/24
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132	4.73	20	

110

50-200

54.9

Chloride

Analyst: DT

QC Summary Data

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2024 11:25:20AM

Anions by EPA 300.0/9056A

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2422117-BLK1)							Prepared: 0	5/31/24 Anal	yzed: 05/31/24
Chloride	ND	20.0							
LCS (2422117-BS1)							Prepared: 0	5/31/24 Anal	yzed: 05/31/24
Chloride	250	20.0	250		99.8	90-110			
LCS Dup (2422117-BSD1)							Prepared: 0	5/31/24 Anal	yzed: 05/31/24

250

20.0

100

90-110

0.304

250

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/05/24 11:25

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 10/8/2024 2:25:49 PM

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	Clie	nt Inform	ation			Invoice Information)				La	b Us	e On	ly	TAT State						ite	
Client: N	latador Proc	uction Co	ompany			ompany: Ensolum LLC			Lab V	WO#	!		Job I	Num	ber		1D	2D	3D	Std	NM CO L	ТТХ
	Airstrip Fee (ddress: 3122 National Parks H	lwy		F4	105	US	80	720	SQ.	-00	200				x	×	
	lanager: As				l lā	ty, State, Zip: Carlsbad NM, 8	8220														- 1	
	3122 Natio			-		one: 575-988-0055	1		1 1				Ana	lysis	and	Met	hod				EPA Prog	ram
City. Stat	e, Zip: Carls	bad NM.	88220			mail: agiovengo@ensolum.c	om		1 1												SDWA CWA	RCRA
	75-988-005					scellaneous:			1				- 1									
	giovengo@e		om							ا ي	,										Compliance	or N
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•				Sam	ple Informat	ion				to by	yd Oi	8021	8260	300	N.	r- 20	Meta					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	L Nu	.ab mber	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remai	ks
12:15	5/23/2024	Soil	1			BH 02 - 0'			l :						Х							
12:20	5/23/2024	Soil	1			BH 03 - 0'			2						х							
12:25	5/23/2024	Soil	1			BH 04 - 0'			3						х							
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Addition	al Instructio	ns: Plea	ase CC: cl	ourton@e	ensolum.con	n, agiovengo@ensolum.com,	chamilt	on@	ensol	um.c	om,	iestr	ella@	ens	olun	n.cor	n					
	oler), attest to the	validity and	authenticity	of this samp	le. I am aware th	nat tampering with or intentionally mislab	eling the s	ample	location	, date	or time	e of co	llection	n is co	nsider	ed frau	d and	may b	e grou	nds for	r legal action.	
	ed by: (Signatur	re)	Date	24734	Time 1005	Received by (Signature)	ec S	<u> 24-</u>	14	Time) \ }	<u> </u>			sampl	ed or re	ceived				ust be received on ice the g temp above 0 but less	
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Relinguish	ed by: (Signatur	re)	Date	ખ્ય	Time	Received by: (Signature)	Signature) Date Time Time T1 T2					<u>T3</u>										
Relinquish	ed by: (Signatu	re)	Date		Time	Received by: (Signature)	Dat	e -		Time					AVG	i Ten	np °C	:(4			
	rix: S - Soil, Sd - S								er Typ													
						er arrangements are made. Hazardou										e cliei	nt exp	ense.	The r	eport	for the analysis of	he above



Printed: 5/28/2024 1:44:12PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/28/24	10:00		Work Order ID:	E405368
Phone:	(972) 371-5200	Date Logged In:	05/25/24	19:03		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	06/04/24	17:00 (5 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC) The sample ID match the COC? The number of samples per sampling site location may amples dropped off by client or carrier? The COC complete, i.e., signatures, dates/times, requestly samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e., 15 minute hold time, are not included in this disussis.	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>	<u>Courier</u>	Comment	s/Resolution
Sample T	urn Around Time (TAT)			[
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C 7. Was a s			Yes				
-			Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
	•	temperature. 4	<u>C</u>				
Sample C	ontainer queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	2	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	• • • • • • • • • • • • • • • • • • • •	ners conected?	105				
20. Were Sa	field sample labels filled out with the minimum infample ID? ate/Time Collected? ollectors name?	ormation:	Yes Yes Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	umples required to get sent to a subcontract laborate subcontract laboratory specified by the client and it		No NA	Subcontract Lab	: NA		
Client Ir	estruction						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Airship Fee Com #1H ROW

Work Order: E408028

Job Number: 23003-0002

Received: 8/5/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 8/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/19/24

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

Project Name: Airship Fee Com #1H ROW

Workorder: E408028

Date Received: 8/5/2024 9:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/5/2024 9:15:00AM, under the Project Name: Airship Fee Com #1H ROW.

The analytical test results summarized in this report with the Project Name: Airship Fee Com #1H ROW apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS02-1.5'	5
FS03-2'	6
FS04-2'	7
SW01-0-4'	8
SW02-0-3'	9
FS29-2'	10
FS30-2'	11
FS31-2'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/19/24 16:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02-1.5'	E408028-01A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS03-2'	E408028-02A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS04-2'	E408028-03A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
SW01-0-4'	E408028-04A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
SW02-0-3'	E408028-05A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS29-2'	E408028-06A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS30-2'	E408028-07A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS31-2'	E408028-08A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

FS02-1.5' E408028-01

	E408028-01				
	1 0				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2432010
ND	0.0250	1	08/05/24	08/06/24	
ND	0.0250	1	08/05/24	08/06/24	
ND	0.0250	1	08/05/24	08/06/24	
ND	0.0250	1	08/05/24	08/06/24	
ND	0.0500	1	08/05/24	08/06/24	
ND	0.0250	1	08/05/24	08/06/24	
	89.2 %	70-130	08/05/24	08/06/24	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2432010
ND	20.0	1	08/05/24	08/06/24	
	104 %	70-130	08/05/24	08/06/24	
mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2432009
ND	25.0	1	08/05/24	08/06/24	
ND	50.0	1	08/05/24	08/06/24	
	126 %	50-200	08/05/24	08/06/24	
mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2432015
283	20.0	1	08/05/24	08/05/24	
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 89.2 % mg/kg mg/kg mg/kg ND 20.0 104 % mg/kg ND 25.0 ND 50.0 126 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 89.2 % 70-130 mg/kg mg/kg Ana ND 20.0 1 104 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 126 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 08/05/24 ND 0.0250 1 08/05/24 ND 0.0250 1 08/05/24 ND 0.0250 1 08/05/24 ND 0.0500 1 08/05/24 ND 0.0250 1 08/05/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/05/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/05/24 ND 50.0 0 08/05/24	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 08/05/24 08/06/24 ND 0.0500 1 08/05/24 08/06/24 ND 0.0250 1 08/05/24 08/06/24 MD 0.0250 1 08/05/24 08/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/05/24 08/06/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/05/24 08/06/24 ND 50.0 1 08/05/24 08/06/24 ND 50.0 1 08/05/24 08/06/24 ND 50.0 1 08/05/24

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

FS03-2'

E408028-02

		D ''				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Anaryte	Resuit	Liinit	ווווונט	on riepared	Ananyzed	inotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2432010
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2432010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2432009
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane		127 %	50-200	08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2432015
Chloride	157	20.0	1	08/05/24	08/05/24	



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

FS04-2'

E408028-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2432010
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID		89.2 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2432010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2432009
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane		131 %	50-200	08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2432015



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

SW01-0-4'

E408028-04						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2432010
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2432010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2432009
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane		116 %	50-200	08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2432015
Chloride	ND	20.0	1	08/05/24	08/06/24	



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

SW02-0-3'

E408028-05						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2432010
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane		119 %	50-200	08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2432015
Chloride	ND	20.0	1	08/05/24	08/06/24	



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

FS29-2'

E408028-06

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2432010
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID		88.8 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2432010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2432009
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane		112 %	50-200	08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2432015
Chloride	27.4	20.0	1	08/05/24	08/06/24	



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

FS30-2'

E408028-07

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2432010
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2432010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2432009
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane		124 %	50-200	08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2432015
Chloride	96.5	20.0	1	08/05/24	08/06/24	



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

FS31-2'

E408028-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2432010
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2432010
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2432009
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane		131 %	50-200	08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2432015
Chloride	ND	20.0	1	08/05/24	08/05/24	



QC Summary Data

Matador Resources, LLC. Project Name: Airship Fee Com #1H ROW Reported:
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002
Dallas TX, 75240 Project Manager: Ashley Giovengo 8/19/2024 4:32:18PM

5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:		003-0002 shley Giovengo				8/1	9/2024 4:32:18PM
,				y EPA 8021	R				Amalyati DA
									Analyst: BA
Analyte	D to	Reporting Limit	Spike Level	Source Result	D	Rec Limits	RPD	RPD Limit	
	Result				Rec				NI.
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432010-BLK1)							Prepared: 08	3/05/24 Anal	yzed: 08/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Coluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.8	70-130			
LCS (2432010-BS1)							Prepared: 08	3/05/24 Anal	yzed: 08/06/24
Benzene	5.47	0.0250	5.00		109	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Coluene	5.36	0.0250	5.00		107	70-130			
-Xylene	5.18	0.0250	5.00		104	70-130			
,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.08		8.00		88.5	70-130			
Matrix Spike (2432010-MS1)				Source: E	408028-0	03	Prepared: 08	3/05/24 Anal	yzed: 08/06/24
Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133			
Coluene	4.96	0.0250	5.00	ND	99.2	61-130			
-Xylene	4.81	0.0250	5.00	ND	96.2	63-131			
,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.9	63-131			
urrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.3	70-130			
Matrix Spike Dup (2432010-MSD1)				Source: E	408028-0	03	Prepared: 08	3/05/24 Anal	yzed: 08/06/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	2.15	20	
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	61-133	1.82	20	
Coluene	5.06	0.0250	5.00	ND	101	61-130	1.93	20	
-Xylene	4.90	0.0250	5.00	ND	98.0	63-131	1.91	20	
,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131	1.69	20	
,iii-Ayiciic	14.8	0.0500	15.0	ND ND	96.9	63-131	1.77	20	

8.00

7.15

89.4

70-130



Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

QC Summary Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/19/2024 4:32:18PM

Nonhalogenated Organics by EPA 8015D - GRO									Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2432010-BLK1)]	Prepared: 0	8/05/24 Anal	yzed: 08/06/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.45		8.00		106	70-130				

LCS (2432010-BS2)						Prepared: 08/05/24 Analyzed: 08/06/24
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	91.6	70-130	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00	106	70-130	
Matrix Spike (2432010-MS2)				Source: E408028-03	i	Prepared: 08/05/24 Analyzed: 08/06/24

20.0

Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130		
Matrix Spike Dup (2432010-MSD2)				Source:	E408028-0	03	Prepared: 08	8/05/24 Analyzed: 08/06/24
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	14.3	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130		

ND

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/19/2024 4:32:18PM

Danas 1X, 73240		1 Toject Ivianage	. 7 to	mey Gloveng	;o			0.1	7,2021 1.32.1011
	Nonha	logenated Or	ganics by	EPA 8015I	O - DRO	ORO/			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432009-BLK1)							Prepared: 0	8/05/24 Anal	yzed: 08/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	66.7		50.0		133	50-200			
LCS (2432009-BS1)							Prepared: 0	8/05/24 Anal	yzed: 08/06/24
Diesel Range Organics (C10-C28)	327	25.0	250		131	38-132			
Surrogate: n-Nonane	64.9		50.0		130	50-200			
Matrix Spike (2432009-MS1)				Source:	E408028-0	01	Prepared: 0	8/05/24 Anal	yzed: 08/06/24
Diesel Range Organics (C10-C28)	330	25.0	250	ND	132	38-132			
Surrogate: n-Nonane	65.4		50.0		131	50-200			
Matrix Spike Dup (2432009-MSD1)				Source:	E408028-0	01	Prepared: 0	8/05/24 Anal	yzed: 08/06/24
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132	6.91	20	
Surrogate: n-Nonane	66.4		50.0		133	50-200			

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Airship Fee Com #1H ROW 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:32:18PM

	Anions by EPA 300.0/9056A								Analyst: JM			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2432015-BLK1)							Prepared: 0	8/05/24 An	alyzed: 08/05/24			
Chloride	ND	20.0										
LCS (2432015-BS1)							Prepared: 0	8/05/24 An	alyzed: 08/05/24			
Chloride	250	20.0	250		99.8	90-110						
Matrix Spike (2432015-MS1)				Source:	E408028-	08	Prepared: 0	8/05/24 An	alyzed: 08/05/24			
Chloride	262	20.0	250	ND	105	80-120						
Matrix Spike Dup (2432015-MSD1)				Source:	E408028-	08	Prepared: 0	8/05/24 An	alyzed: 08/05/24			
Chloride	262	20.0	250	ND	105	80-120	0.112	20				

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/19/24 16:32

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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ks				Received by OCD: 8/22/2024 12:10:53 PM
				3 PM

	Clie	nt Inform	nation		Invoice Informati	ion			La	ab Us	se On	ly				TAT		State	е
Client: N	latador Proc	luction C	ompany		Company: Ensolum LLC		La	b WC)#		Job	Num	ber		1D	2D 3	BD Std	NM CO UT	TX
	Airstrip Fee C				Address: 3122 National Park	s Hwy			302	8	23	003	-00	07			X	X	
	lanager: As	671.67			City, State, Zip: Carlsbad NM	. 88220					-								
	3122 Natio				Phone: 575-988-0055						Ana	lysis	and	Met	hod			EPA Progra	am
	e, Zip: Carls				Email: agiovengo@ensolun	m com												SDWA CWA	RCRA
	75-988-005		OULLU		Miscellaneous:	II.COIII													
	giovengo@e		om		Wilsecharicous.		- 40	10	10									Compliance Y	or N
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				Sample Inform	nation			À) by	3021	260	300.0	Σ×	XT-6	letal		1		
Time			No. of	oumpie imorn		6	Lab	- S	/DRC	by 8	by 8	ride	- 20	100	18			Remarks	
Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Fiel	Lab Numbe	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
9:19	8/1/2024	Soil	1		FS02 - 1.5'	i i i	1						X						
10:41	8/1/2024	Soil	1		FS03 - 2'		2						х						
10:44	8/1/2024	Soil	1		FS04 - 2'		3						х						
10:54	8/1/2024	Soil	1		SW01 - 0-4'		4						х						
10:56	8/1/2024	Soil	1		SW02 - 0-3'		5						х						
13:37	8/1/2024	Soil	1		FS10 - 2'		6						х						
13:41	8/1/2024	Soil	1		FS11 - 2'		7						х						
13:45	8/1/2024	Soil	1		FS12 - 2'		8						х						
Addition	al Instructio	ns: Ple	ase CC: cbu	ırton@ensolum.d	com, agiovengo@ensolum.cor	m, iestrella	@ensol	um.co	om, b	deal	@ens	olun	n.cor	n, ch	amil	ton@	ensolur	n.com,	T I
	ns@ensolun					1.1.11.21	1.6				110-11		o atalaa	1 6	of words			- local caster	
				of this sample. I am awa	re that tampering with or intentionally mi	slabeling the sa	ample local	tion, dat	te or tim	ie or co	ollectio	n is co	nsideri	edirat	id and i	may be j	grounds to	r legal action.	
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100	ed by: (Signatu			2/24 10:11	Received by: (Signature) Night E Gonz		2.24		1013	5			1				ice at an av	g temp above 0 but less tha	A COLUMN TO THE PARTY OF THE PA
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	rix: S - Soil, Sd - S						ntainer T						c, ag	- am	ber gl	ass, v -			
Note: Sam					other arrangements are made. Hazar									e clie	nt exp	ense. T	he report	for the analysis of the	above



Printed: 8/5/2024 11:07:11AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/05/24	09:15	Work Order ID:	E408028
Phone:	(972) 371-5200	Date Logged In:	08/05/24	09:44	Logged In By:	Keyliegh Hall
Email:	agiovngo@ensolum.com	Due Date:	08/09/24	17:00 (4 day TAT)		, -
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	tch the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Couri	<u>er</u>	
	te COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comme</u>	nts/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	<u>Container</u>		_			
	equeous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA			
	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 contain		Yes			
Field La						
	field sample labels filled out with the minimum info	ormation:				
	sample ID?		Yes			
Γ	Date/Time Collected?		Yes	<u> </u>		
C	Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multiph :	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subconti	ract Laboratory					
	amples required to get sent to a subcontract laborate	ory?	No			
	a subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: N/A	A	
	nstruction_					
CHEIL	nstruction .					

Released to Imaging: 10/8/2024 2:25:49 PM

Page	of
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	Clie	nt Inform	ation		1	Invoice Information				15	Lab	Use	Only				T.	AT		State	
Client: N	Natador Proc	luction Co	ompany		TO WELL	Company: Ensolum LLC			ab W		PINE		b Nu	mbe	r	1D	2D	3D	Std	NM CO UT	TX
Project:	Airstrip Fee C	Com #1H	ROW			Address: 3122 National Parks Hw	/y			80	28	2	300	3-0	0007			1	X	X	
Project N	Manager: As	hley Giov	engo			City, State, Zip: Carlsbad NM, 882	220		-100	97			20 M		MED			198			
Address:	3122 Natio	nal Parks	Hwy			Phone: 575-988-0055						A	nalys	is ar	nd Me	thod				EPA Progra	m
City, Stat	e, Zip: Carls	bad NM,	88220			Email: agiovengo@ensolum.com	m		100											SDWA CWA	RCRA
Phone: 5	575-988-005	5				Miscellaneous:															
Email: a	giovengo@e	nsolum.c	om							2	in l							1		Compliance Y	or N
		- 10						STORE .		8015	801		c		-	-S				PWSID#	
				Sample	e Inforn	mation				o by	o by	8071	8260	1	CT-20	Meta		}			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	per	DRO/ORO by	GRO/DRO by	BIEX DY	VOC by 8260	00000	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	
9:19	8/1/2024	Soil	1			FS02 - 1.5'		1							(
10:41	8/1/2024	Soil	1			FS03 - 2'		2						,	K						
10:44	8/1/2024	Soil	1		-	FS04 - 2'		3						7	X						
10:54	8/1/2024	Soil	1			SW01 - 0-4'		4						2	K						
10:56	8/1/2024	Soil	1			SW02 - 0-3'		5						1	X						
13:37	8/1/2024	Soil	1			F\$16'- 2'		6						1	X					Name Cha	000(
13:41	8/1/2024	Soil	1			FS11'- 2'		7							X					Name Char	An
13:45	8/1/2024	Soil	1			FS12-2'		8	3						х					8/19/24	2 IQP
																				o ji tir i	
									i was												
Addition	nal Instructio	ons: Plea	ase CC: cl	ourton@en	solum.	com, agiovengo@ensolum.com, ie	strella	@enso	olum	.com	, bde	al@	ensol	ım.	om, o	hami	lton	@en	solun	m.com,	
	ns@ensolun																				
I, (field sam	pler), attest to th	e validity and	dauthenticit	y of this sample.	l am awa	are that tampering with or intentionally mislabel	ing the sa	ample loca	ation,	date or	time c	of colle	ction is	consi	dered fr	aud and	d may	be gro	unds fo	or legal action.	13.0
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						other arrangements are made. Hazardous y with this COC. The liability of the laborate									the cli	ent ex	pense	. The	report	t for the analysis of the	above



enviroteche environate e

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Airstrip Fee Com #1H ROW

Work Order: E408036

Job Number: 23003-0002

Received: 8/6/2024

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 8/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/19/24

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

Project Name: Airstrip Fee Com #1H ROW

Workorder: E408036

Date Received: 8/6/2024 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/6/2024 6:30:00AM, under the Project Name: Airstrip Fee Com #1H ROW.

The analytical test results summarized in this report with the Project Name: Airstrip Fee Com #1H ROW apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS01 - 4'	6
FS05 - 4'	7
FS06 - 4'	8
FS07 - 4'	9
FS08 - 4'	10
FS09 - 4'	11
FS10 - 4'	12
FS11 - 4'	13
FS12 - 4'	14
FS13 - 4'	15
FS14 - 4'	16
FS15 - 4'	17
FS16 - 3'	18
FS17 - 2'	19
FS18 - 2'	20
FS19 - 2'	21
SW03 - 0-4'	22
SW04 - 0-4'	23
SW11 - 0-4'	24
SW06 - 0-3'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Matador Resources, LLC.Project Name:Airstrip Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo08/19/24 16:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 - 4'	E408036-01A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS05 - 4'	E408036-02A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS06 - 4'	E408036-03A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS07 - 4'	E408036-04A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS08 - 4'	E408036-05A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS09 - 4'	E408036-06A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS10 - 4'	E408036-07A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS11 - 4'	E408036-08A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS12 - 4'	E408036-09A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS13 - 4'	E408036-10A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS14 - 4'	E408036-11A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS15 - 4'	E408036-12A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS16 - 3'	E408036-13A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS17 - 2'	E408036-14A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS18 - 2'	E408036-15A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
FS19 - 2'	E408036-16A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW03 - 0-4'	E408036-17A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW04 - 0-4'	E408036-18A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW11 - 0-4'	E408036-19A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW06 - 0-3'	E408036-20A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS01 - 4' E408036-01

		E-100030-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/07/24	
Surrogate: n-Nonane		104 %	50-200	08/06/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2432034
Chloride	72.5	20.0	1	08/06/24	08/06/24	

Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS05 - 4' E408036-02

		E-100050 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
oluene	ND	0.0250	1	08/06/24	08/07/24	
-Xylene	ND	0.0250	1	08/06/24	08/07/24	
o,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/07/24	
Surrogate: n-Nonane		92.6 %	50-200	08/06/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2432034
Chloride	862	20.0	1	08/06/24	08/06/24	
Anions by EPA 300.0/9056A Chloride			Analy 1		08/06/24	Batch:



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS06 - 4' E408036-03

		L100050 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/07/24	
Surrogate: n-Nonane		103 %	50-200	08/06/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: WF		Batch: 2432034
Chloride	573	20.0	1	08/06/24	08/06/24	

Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS07 - 4' E408036-04

		E400030-04				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Timiye	resuit	- Emili	Ditation	repared	7 Hary Zea	110105
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/08/24	
Toluene	ND	0.0250	1	08/06/24	08/08/24	
o-Xylene	ND	0.0250	1	08/06/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/08/24	
Surrogate: 4-Bromochlorobenzene-PID		88.4 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/07/24	
Surrogate: n-Nonane		101 %	50-200	08/06/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2432034
Chloride	1550	20.0	1	08/06/24	08/06/24	

Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS08 - 4' E408036-05

	E400030-03				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
ND	0.0250	1	08/06/24	08/06/24	
ND	0.0250	1	08/06/24	08/06/24	
ND	0.0250	1	08/06/24	08/06/24	
ND	0.0250	1	08/06/24	08/06/24	
ND	0.0500	1	08/06/24	08/06/24	
ND	0.0250	1	08/06/24	08/06/24	
	90.2 %	70-130	08/06/24	08/06/24	
mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
ND	20.0	1	08/06/24	08/06/24	
	95.6 %	70-130	08/06/24	08/06/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2432037
ND	25.0	1	08/06/24	08/07/24	
ND	50.0	1	08/06/24	08/07/24	
	103 %	50-200	08/06/24	08/07/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2432034
4830	40.0	2	08/06/24	08/06/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0 95.6 % mg/kg MD 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 90.2 % 70-130 mg/kg mg/kg Anal ND 20.0 1 95.6 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 103 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: CG ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0500 1 08/06/24 ND 0.0250 1 08/06/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/06/24 mg/kg mg/kg Analyst: NV ND 25.6 70-130 08/06/24 ND 25.0 1 08/06/24 ND 50.0 1 08/06/24 ND 50.0 1 08/06/24 ND 50.0 1 08/06/24 Mg/kg Mg/kg Analyst: WF	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/06/24 08/06/24 ND 0.0500 1 08/06/24 08/06/24 ND 0.0250 1 08/06/24 08/06/24 Mg/kg mg/kg Analyst: CG 08/06/24 08/06/24 ND 20.0 1 08/06/24 08/06/24 mg/kg mg/kg Analyst: CG 08/06/24 08/06/24 ND 20.0 1 08/06/24 08/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/06/24 08/07/24 ND 50.0 1 08/06/24 08/07/24 ND



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS09 - 4' E408036-06

		£408030-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	Frepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/08/24	
Toluene	ND	0.0250	1	08/06/24	08/08/24	
o-Xylene	ND	0.0250	1	08/06/24	08/08/24	
o,m-Xylene	ND	0.0500	1	08/06/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/08/24	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/07/24	
Surrogate: n-Nonane		106 %	50-200	08/06/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2432034
Chloride	5110	40.0	2	08/06/24	08/06/24	

Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS10 - 4' E408036-07

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	lyst: CG		Batch: 2432032
ND	0.0250	1	08/06/24	08/09/24	
ND	0.0250	1	08/06/24	08/09/24	
ND	0.0250	1	08/06/24	08/09/24	
ND	0.0250	1	08/06/24	08/09/24	
ND	0.0500	1	08/06/24	08/09/24	
ND	0.0250	1	08/06/24	08/09/24	
	91.5 %	70-130	08/06/24	08/09/24	
mg/kg	mg/kg	Anal	lyst: CG		Batch: 2432032
ND	20.0	1	08/06/24	08/09/24	
	92.8 %	70-130	08/06/24	08/09/24	
mg/kg	mg/kg	Anal	lyst: NV		Batch: 2432037
ND	25.0	1	08/06/24	08/07/24	
ND	50.0	1	08/06/24	08/07/24	
	103 %	50-200	08/06/24	08/07/24	
mg/kg	mg/kg	Anal	lyst: WF		Batch: 2432034
3430	40.0	2	08/06/24	08/07/24	
	mg/kg ND Mg/kg ND mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 92.8 % mg/kg MD 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Anai ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 91.5 % 70-130 mg/kg mg/kg Anai ND 20.0 1 92.8 % 70-130 mg/kg mg/kg Anai ND 25.0 1 ND 50.0 1 103 % 50-200 mg/kg Mg/kg Anai	Result Limit Dilution Prepared mg/kg mg/kg Analyst: CG ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0500 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/06/24 ND 25.0 1 08/06/24 ND 50.0 1 08/06/24 ND 50.0 1 08/06/24 ND 50.0 0 08/06/24 Mg/kg Mg/kg Analyst: WF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 ND 0.0500 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/06/24 08/09/24 mg/kg mg/kg Analyst: CG 08/06/24 08/09/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/06/24 08/09/24 ND 25.0 1 08/06/24 08/07/24 ND 50.0 1 08/06/24 08/07/24 ND 50.0 1 08/06/24 08/07/24 Mg/kg<



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS11 - 4' E408036-08

		E-100020 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/07/24	
Surrogate: n-Nonane		103 %	50-200	08/06/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2432034
Chloride	5370	100	5	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS12 - 4' E408036-09

		E400030-09				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Timiye	resuit	- Emili	Ditation	Теригеа	7 Hary Zea	110105
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/07/24	
Surrogate: n-Nonane		106 %	50-200	08/06/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2432034
Chloride	3280	40.0	2	08/06/24	08/07/24	

Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS13 - 4' E408036-10

		E408030-10				
		Reporting	5 11			
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		103 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2432034
Chloride	1600	20.0	1	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS14 - 4' E408036-11

		E408030-11				
	D 1:	Reporting		ъ.		N .
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		104 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2432034
Chloride	852	20.0	1	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS15 - 4' E408036-12

		E-100030-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
-Xylene	ND	0.0250	1	08/06/24	08/09/24	
o,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		105 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2432034
Chloride	102	20.0	1	08/06/24	08/06/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS16 - 3' E408036-13

		E400050 15				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
o,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		108 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2432034
Chloride	222	20.0	1	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS17 - 2' E408036-14

		E400030-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Liillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		103 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2432034
Chloride	ND	20.0	1	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS18 - 2' E408036-15

		E400030-13				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
maryte	Result	Lillit	Dilution	т тератей	Allalyzed	110165
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		103 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2432034
Chloride	35.9	20.0	1	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

FS19 - 2' E408036-16

	E400030-10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mo/ko	ma/ka	Analy	*		Batch: 2432032
				08/09/24	Bateli. 2 132032
		1			
		1			
		1	08/06/24	08/09/24	
ND	0.0500	1	08/06/24	08/09/24	
ND	0.0250	1	08/06/24	08/09/24	
	90.3 %	70-130	08/06/24	08/09/24	
mg/kg	mg/kg	Analy	st: CG		Batch: 2432032
ND	20.0	1	08/06/24	08/09/24	
	94.7 %	70-130	08/06/24	08/09/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2432037
ND	25.0	1	08/06/24	08/08/24	
ND	50.0	1	08/06/24	08/08/24	
	100 %	50-200	08/06/24	08/08/24	
mg/kg	mg/kg	Analy	st: WF		Batch: 2432034
176	20.0	1	08/06/24	08/07/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 94.7 % mg/kg MD 25.0 ND 50.0 100 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 MD 20.05 1 MB/kg mg/kg Analy ND 20.0 1 MB/kg mg/kg Analy ND 25.0 1 ND 50.0 1 100 % 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: CG ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0500 1 08/06/24 ND 0.0250 1 08/06/24 ND 0.0250 1 08/06/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/06/24 ND 50.0 1 08/06/2	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 ND 0.0500 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 ND 0.0250 1 08/06/24 08/09/24 MD 0.0250 1 08/06/24 08/09/24 mg/kg mg/kg Analyst: CG ND 08/09/24 ND 20.0 1 08/06/24 08/09/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/06/24 08/08/24 ND 25.0 1 08/06/24 08/08/24 08/08/24 ND 50.0 1 08/06/24 08/08/24 ND



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

SW03 - 0-4'

		E408036-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		105 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: WF		Batch: 2432034
Chloride	ND	20.0	1	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

SW04 - 0-4'

		E408036-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
p-Xylene	ND	0.0250	1	08/06/24	08/09/24	
o,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		108 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2432034
Chloride	76.1	20.0	1	08/06/24	08/07/24	



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

SW11 - 0-4' E408036-19

		E400030-19				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		105 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2432034
Chloride	ND	20.0	1	08/06/24	08/07/24	·



Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

SW06 - 0-3' E408036-20

		£408030-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	Frepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2432032
Benzene	ND	0.0250	1	08/06/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/09/24	
Toluene	ND	0.0250	1	08/06/24	08/09/24	
o-Xylene	ND	0.0250	1	08/06/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2432032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	08/06/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2432037
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		104 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2432034
Chloride	ND	20.0	1	08/06/24	08/07/24	



Airstrip Fee Com #1H ROW Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 8/19/2024 4:28:27PM **Volatile Organics by EPA 8021B** Analyst: CG Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2432032-BLK1) Prepared: 08/06/24 Analyzed: 08/06/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 o-Xylene ND 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.18 8.00 89.8 70-130 I CC (2422022 DC1)

LCS (2432032-BS1)					Prepa	Prepared: 08/06/24 Analyzed: 08/06/24				
Benzene	4.85	0.0250	5.00	96.9	70-130					
Ethylbenzene	4.63	0.0250	5.00	92.5	70-130					
Toluene	4.74	0.0250	5.00	94.9	70-130					
o-Xylene	4.61	0.0250	5.00	92.1	70-130					
p,m-Xylene	9.37	0.0500	10.0	93.7	70-130					
Total Xylenes	14.0	0.0250	15.0	93.2	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00	90.1	70-130					

Matrix Spike (2432032-MS1)				Source:	E408036-0	05	Prepared: 08/06/24 Analyzed: 08/06/24					
Benzene	4.55	0.0250	5.00	ND	91.0	54-133						
Ethylbenzene	4.35	0.0250	5.00	ND	87.0	61-133						
Toluene	4.46	0.0250	5.00	ND	89.2	61-130						
o-Xylene	4.32	0.0250	5.00	ND	86.3	63-131						
p,m-Xylene	8.82	0.0500	10.0	ND	88.2	63-131						
Total Xylenes	13.1	0.0250	15.0	ND	87.6	63-131						
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130						

Matrix Spike Dup (2432032-MSD1)					E408036-	05	Prepared: 08/06/24 Analyzed: 08/06/24					
Benzene	4.72	0.0250	5.00	ND	94.5	54-133	3.78	20				
Ethylbenzene	4.50	0.0250	5.00	ND	90.0	61-133	3.45	20				
Toluene	4.62	0.0250	5.00	ND	92.4	61-130	3.54	20				
o-Xylene	4.49	0.0250	5.00	ND	89.7	63-131	3.82	20				
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	63-131	3.24	20				
Total Xylenes	13.6	0.0250	15.0	ND	90.6	63-131	3.43	20				
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130						

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

38.4

7.76

20.0

QC Summary Data

Matador Resources, LLC.Project Name:Airstrip Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/19/2024 4:28:27PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go				8/19/2024 4:28:27PM
	Non	halogenated		Analyst: CG					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2432032-BLK1)							Prepared: 0	8/06/24	Analyzed: 08/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			
LCS (2432032-BS2)							Prepared: 0	8/06/24	Analyzed: 08/06/24
Gasoline Range Organics (C6-C10)	36.9	20.0	50.0		73.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
Matrix Spike (2432032-MS2)				Source:	E408036-	05	Prepared: 0	8/06/24	Analyzed: 08/09/24
Gasoline Range Organics (C6-C10)	41.4	20.0	50.0	ND	82.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			
Matrix Spike Dup (2432032-MSD2)				Source:	E408036-	05	Prepared: 0	8/06/24	Analyzed: 08/06/24

50.0

8.00

ND

7.49

20

70-130

70-130

97.0

Matador Resources, LLC.Project Name:Airstrip Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/19/2024 4:28:27PM

,					>-								
Nonhalogenated Organics by EPA 8015D - DRO/ORO Ana													
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit					
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
Blank (2432037-BLK1)							Prepared: 0	8/06/24 Anal	yzed: 08/07/24				
Diesel Range Organics (C10-C28)	ND	25.0											
Oil Range Organics (C28-C36)	ND	50.0											
Surrogate: n-Nonane	52.7		50.0		105	50-200							
LCS (2432037-BS1)							Prepared: 0	8/06/24 Anal	yzed: 08/07/24				
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132							
Surrogate: n-Nonane	59.6		50.0		119	50-200							
Matrix Spike (2432037-MS1)				Source:	E408036-	05	Prepared: 0	8/06/24 Anal	yzed: 08/07/24				
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132							
Surrogate: n-Nonane	56.1		50.0		112	50-200							
Matrix Spike Dup (2432037-MSD1)				Source:	Source: E408036-05		Prepared: 0	8/06/24 Anal	yzed: 08/07/24				
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	3.31	20					
Surrogate: n-Nonane	57.1		50.0		114	50-200							

Matador Resources, LLC.	Project Name: Airstrip Fee Com #1H ROW		Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2024 4:28:27PM

		Anions			A 1 W/F				
		11110115			Analyst: WF				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432034-BLK1)							Prepared: 0	8/06/24 Anal	yzed: 08/06/24
Chloride	ND	20.0							
LCS (2432034-BS1)							Prepared: 0	8/06/24 Anal	yzed: 08/06/24
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2432034-MS1)				Source:	E408036-	12	Prepared: 0	8/06/24 Anal	yzed: 08/06/24
Chloride	354	20.0	250	102	101	80-120			
Matrix Spike Dup (2432034-MSD1)	Dup (2432034-MSD1)			Source:	E408036-	12	Prepared: 0	8/06/24 Anal	yzed: 08/06/24
Chloride	354	20.0	250	102	101	80-120	0.133	20	

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Airstrip Fee Com #1H ROW	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/19/24 16:28

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain o	Custody
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Page	of	1

Client Information					1000	Invoice Information				La	b Us	e On	ly				TA	T	State		
Client: N	1atador Prod	uction Co	ompany		Co	empany: Ensolum LLC		Lab	o WO	#		Job I	Num	ber		1D	2D	3D Std	NM CO U	T TX	
	Airstrip Fee	e and a second			A	ddress: 3122 National Parks Hv	vy	F1	408	03	6	230	203	-000	2			X	x		
	lanager: Asl				1000	ty, State, Zip: Carlsbad NM, 88															
	3122 Natio					one: 575-988-0055						Ana	lysis	and	Met	hod			EPA Prog	ram	
	e, Zip: Carls					mail: agiovengo@ensolum.co	m		8										SDWA CWA	RCRA	
	75-988-005		00220			scellaneous:			4												
	giovengo@e		om		- IVII	scellaneous.			100										Compliance Y	or N	
Cilidii. a	gloverigo@e	isolulli.c	OIII				-		801	801			0		1	S			PWSID#		
				Sam	ple Informat	ion			DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	3260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					
Time		0.00	No. of		•	50 N. 111 A. 111 A.	D o	Lab	/OR	/DR	(by	VOC by 8260	oride	00C	100	A 8 I			Remark	KS	
Sampled	Date Sampled	Matrix	Containers			Sample ID	Fig.	Lab Numbe	DRO	GRO	вте	000	Chlo	BGD	TCEC	RCR					
9:46	8/2/2024	S	1			FS01 - 4'		1						х							
10:43	8/2/2024	S	1			FS05 - 4'		2						х							
10:45	8/2/2024	S	1			FS06 - 4'	7	3						х							
10:47	8/2/2024	S	1			FS07 - 4'	1	4						х							
10:49	8/2/2024	S	1			FS08 - 4'		5						х							
10:51	8/2/2024	S	1				6						x								
10:55	8/2/2024	S	1			FS10 - 4'		7						x							
10:57	8/2/2024	S	1			FS11 - 4'		8						x							
10:57	8/2/2024	S	1			FS12 - 4'		9						x							
11:01	8/2/2024	S	1			FS13 - 4'		10						x							
bsimmon I, (field samp	ns@ensolun oler), attest to th	com				n, agiovengo@ensolum.com, is															
	:Cole Burton_ ed by: (Signaty	re)	Date		Time	Received by: (Signature)	Date		Tim	e / .	_								must be received on ice the		
7	Bul	1	8	5/24	7:30	Michelle Gonzale	0 8	524	1	413)				ed or re		packed	in ice at an a	avg temp above 0 but less t	han 6 °C on	
Relinquist	ed by: (Signatu	re)	S Date	5-24	Time 540	Received by: (Signature) Anchew Received by: (Signature)			Tim/	8	30					d on i	ice:	Lab U	Jse Only N		
Relinquish	ed by: (Signatu	HJQ	2 8	.5.24	7400	Bate 8	6.24	Time 9 0630			<u>T1</u>		<u>T2</u>			<u>T2</u>	<u>T3</u>				
Relinquish	ed by: (Signatu	re)	Date		Time	Received by: (Signature)	Date		Tim					AVO	3 Ter	np °C		1			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				1/0	stainar Ti	mara	0 20	CB	noly/	nlast	IC ag	- am	ner g	lass !	V - VOA						



Client Information						Invoice Information			Lab Use Only									TAT			State					
Client: N	Matador Proc	luction Co	ompany		Cor	mpany: Ensolum LLC			L	ab W	VO#			Job	Num	ber		1D	2D	3D S	td	NN	1 CO U	TX		
Project:	Airstrip Fee	Com #1H	ROW		Ad	dress: 3122 National P	arks Hwy		F	E40	28	030	0	2	300	3-0	000	2		х		×				
Project N	Manager: As	hlev Giov	engo		Cit	y, State, Zip: Carlsbad N	VM, 8822	0																	N	
Market Control of the	3122 Natio	3-			Pho	one: 575-988-0055								Ana	lysis	and	Met	hod					PA Progr	ram	Š	
	te, Zip: Carls					nail: agiovengo@enso	lum com								r							SDWA	CWA	RCRA	Ī	
	575-988-005		COLLO			cellaneous:	TOTAL COLL																		ī	
	giovengo@e		om			cenaneous.			- 1/2		10	10									C	Complia	nce Y	or N	ī	
Linaii. a	giovengoese	nsorum.c	.0111								801	801			0			v				PWSID				
				Sam	ple Information	on					DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	N	TCEQ 1005 - TX	RCRA 8 Metals			F				_	
Time	1.5 S 2 S 2 S	Alacka I	No. of					0 4	Lab)	/OR	J/DR	(py	by	ride	S	100	A 8 1					Remark	S		
Sampled	Date Sampled	Matrix	Containers			Sample ID		Field	Lab Numb	per	DRO	GRO	BTE)	VOC	Chlo	BGDOC - NM	BGD	TCEC	RCR							N
11:05	8/2/2024	S	1			FS14 - 4'			11							х										
11:08	8/2/2024	S	1			FS15 - 4'			12	2						x									Ī	
12:30	8/2/2024	S	1			FS16 - 3'			13							x										
12:49	8/2/2024	S	1			FS17 - 2'			14							x							,			
12:55	8/2/2024	s	1			FS18 - 2'			15	-						х										
14:02	8/2/2024	S	1			FS19 - 2'			16	2						х										
11:07	8/2/2024	S	1			SW03 - 0-4'			1	1						x										
12:12	8/2/2024	S	1			SW04 - 0-4'			18	3						х										
12:14	8/2/2024	S	1			SW05 - 0-4'			19							х										
14:01	8/2/2024	S	1			SW06 - 0-3'			20	0						х										
Addition	nal Instruction	ns: Ple	ase CC:	burton@e	ensolum.com	, agiovengo@ensolum.	com, iest	rella	@enso	olum	.cor	n, bo	leal(@en:	solun	n.coi	m, ch	namil	lton@	enso	lum.	.com,			Ī	
	ns@ensolun																									
			d authentic	ity of this samp	le. I am aware tha	t tampering with or intentionall	y mislabeling	the sa	mple loca	ation,	date	or time	e of co	llectio	n is co	nsider	ed fra	ud and	l may b	e ground	Is for I	legal actio	in.			
Sampled by	:Cole Burton_																									
Relinquish	ned by: (Signatu	re)	Dat 8	15/24	7:30	Received by: (Signature)	rales	Date 8	5.24		Time	115				sampl		eceived					ved on ice the ve 0 but less th			
VVjac	ned by: (Signatu	onen		524	Time 5 40	Received by: (Signature)	1200	Bate B	.5.1	4	Time	8	30						ice:	-		e Only				
C En	ned by: (Signatu	4.88		3.5.24	7400	Received by: (Signature)	teres		0.20			.30	2			<u>T1</u>				<u>T2</u>			<u>T3</u>			
Relinquish	ned by: (Signatu	re)	Dat	e	Time	Received by: (Signature)		Date			Time					AVO	3 Ter	np °(c_4							
	trix: S - Soil, Sd - S								ntainer																	
Note: San samples is	ples are discard applicable only	ded 14 days	s after res samples re	ults are repo ceived by the	rted unless other e laboratory with	arrangements are made. Ha	azardous sa e laboratory	mples is lim	s will be nited to t	retur the ar	mour	to clie nt paid	ent or	dispo on the	sed o	f at th rt.	e clie	nt exp	pense.	The rep	ort f	or the a	ialysis of th	ne above		

envirotechs
envirotechs

envirotech Inc.

Printed: 8/6/2024 9:33:57AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/06/24	06:30	Work Order ID:	E408036
Phone:	(972) 371-5200	Date Logged In:	08/05/24	17:00	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	08/12/24	17:00 (4 day TAT)		
Ch -ii	S.C., A. J. (COC)					
	f Custody (COC)		37			
	he sample ID match the COC? he number of samples per sampling site location mat	ch the COC	Yes			
	samples dropped off by client or carrier?	en uie eee	Yes Yes	Ci Ci		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>Courier</u>		
	all samples received within holding time?	ica analyses.	Yes			
3. West	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		100		Comment	s/Resolution
	<u> Furn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>			
Sample	Container_					
	iqueous 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 1	non-VOC samples collected in the correct containers?	•	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation	40	NT.			
	the COC or field labels indicate the samples were pr	eservea?	No			
	ample(s) correctly preserved? of filteration required and/or requested for dissolved m	otala?	NA N-			
		ietais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	•	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

Date

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

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Project:	Airstrip Fee	Com #1H	ROW		1	Address: 3122 National Pa	arks Hwy					030	0	231	303	-00	02			_	x	x		
Project N	Manager: Asl	hley Giov	engo			City, State, Zip: Carlsbad N	NM, 88220	0						Ale i								L Branch		
Address:	3122 Natio	nal Parks	Hwy			Phone: 575-988-0055								Ana	lysis	and	Met	hod				EP	A Progra	m
City, Stat	e, Zip: Carls	bad NM,	88220			Email: agiovengo@enso	lum.com			3												SDWA	CWA	RCRA
Phone: 5	575-988-005	5			969	Miscellaneous:				-														
Email: as	giovengo@e	nsolum.c	om						1 6	1	2	2										Complian	ce Y	or N
			100			All the second s	DE SE				8015	8015			0			S				PWSID#		
				Samp	le Infor	mation					DRO/ORO by	GRO/DRO by	8021	VOC by 8260	Chloride 300.0	S	rcea 1005 - TX	RCRA 8 Metals						
Time			No. of					P 2	Lab		/OR	/DR	BTEX by 8021	by 8	ride	BGDOC - NM	100	48					Remarks	
Sampled	Date Sampled	Matrix	Containers			Sample ID		Field	Lab Numb	er	DRO	SRO	BTE)	700	Chlo	3GD	CEO	3CR						
9:46	8/2/2024					FS01 - 4'			1															
		S	1													X								
10:43	8/2/2024					FS05 - 4'			james .															
		S	1						2	-						X								
10:45	8/2/2024					FS06 - 4'														100				
		S	1						3			1				X				-	4	-		
10:47	8/2/2024	-	-			FS07 - 4'			-					1										
		5	1						9							X					1			
10:49	8/2/2024					FS08 - 4'			-													1		
		S	1						5							X								U.S. *1
10:51	8/2/2024					FS09 - 4'																B B B		
20.02		S	1						6					1		X								
10:55	8/2/2024					FS10 - 4'			10														1123	
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10.07		S	1						8	-					-	X		- 1						
10:57	8/2/2024		1 1			FS12 - 4'			0															
20.5		S	1						9							X								
11:01	8/2/2024					FS13 - 4'	1,010																	
12.02		S	1						10	1						X		-				12.5		
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			d authentic	ty of this sampl	e. I am aw	vare that tampering with or intentionall	ly mislabeling	the sa	mple loca	ation	, date	or tim	e of co	ollectic	n is co	nside	red fra	ud and	l may l	oe grou	ands fo	r legal action		
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	e, Zip: Carls		88220		-	Email: agiovengo@ensolum.com	<u>n</u>														SDWA	CWA	RCRA
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11:05	8/2/2024	S	1			FS14 - 4'		11							х								
11:08	8/2/2024	S	1			FS15 - 4'		10	2						х								
12:30	8/2/2024	S	1			FS16 - 3'		13							x								
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Addition	nal Instruction	ons: Ple	ase CC: cl	burton@ens	solum.	com, agiovengo@ensolum.com, ie	strella	@ens	olun	n.co	m. be	deal	@en:	solur	n.co	m. ch	ami	lton@	Dens	olun	n.com.		
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samples is	s applicable onl	y to those s	samples rec	eived by the la	borator	with this COC. The liability of the laborator	ry is lin	nited to	the a	amou	nt pai	d for	on th	e repo	rt.								



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Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Airship Fee Com #1H ROW

Work Order: E408054

Job Number: 23003-0002

Received: 8/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/13/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/13/24

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

Project Name: Airship Fee Com #1H ROW

Workorder: E408054

Date Received: 8/7/2024 8:25:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2024 8:25:00AM, under the Project Name: Airship Fee Com #1H ROW.

The analytical test results summarized in this report with the Project Name: Airship Fee Com #1H ROW apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW08-0-4'	5
FS21-2'	6
FS20-4'	7
FS22-2'	8
FS24-2'	9
FS23-2'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/13/24 09:02

Client Sample ID	Lab Sample ID M	atrix Sample	d Received	Container
SW08-0-4'	E408054-01A	Soil 08/05/	24 08/07/24	Glass Jar, 2 oz.
FS21-2'	E408054-02A	Soil 08/05/	24 08/07/24	Glass Jar, 2 oz.
FS20-4'	E408054-03A	Soil 08/05/	24 08/07/24	Glass Jar, 2 oz.
FS22-2'	E408054-04A	Soil 08/05/	24 08/07/24	Glass Jar, 2 oz.
FS24-2'	E408054-05A	Soil 08/05/	24 08/07/24	Glass Jar, 2 oz.
FS23-2'	E408054-06A	Soil 08/05/	24 08/07/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2024 9:02:46AM

SW08-0-4' E408054-01

	E400034-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: CG	·	Batch: 2432060
ND	0.0250	1	08/07/24	08/08/24	
ND	0.0250	1	08/07/24	08/08/24	
ND	0.0250	1	08/07/24	08/08/24	
ND	0.0250	1	08/07/24	08/08/24	
ND	0.0500	1	08/07/24	08/08/24	
ND	0.0250	1	08/07/24	08/08/24	
	91.1 %	70-130	08/07/24	08/08/24	
mg/kg	mg/kg	Analy	rst: CG		Batch: 2432060
ND	20.0	1	08/07/24	08/08/24	
	93.6 %	70-130	08/07/24	08/08/24	
mg/kg	mg/kg	Analy	rst: NV		Batch: 2432064
ND	25.0	1	08/07/24	08/09/24	
ND	50.0	1	08/07/24	08/09/24	
	103 %	50-200	08/07/24	08/09/24	
mg/kg	mg/kg	Analy	rst: JM		Batch: 2432094
ND	20.0	1	08/08/24	08/08/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 91.1 % mg/kg mg/kg mg/kg ND 20.0 93.6 % mg/kg ND 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 91.1 % 70-130 mg/kg mg/kg Analy ND 20.0 1 93.6 % 70-130 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 103 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Manalyst: CG ND 0.0250 1 08/07/24 ND 0.0250 1 08/07/24 ND 0.0250 1 08/07/24 ND 0.0250 1 08/07/24 ND 0.0500 1 08/07/24 ND 0.0250 1 08/07/24 mg/kg mg/kg Analyst: CG ND 20.0 1 08/07/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/07/24 ND 25.0 1 08/07/24 ND 50.0 1 08/07/24 ND 50.0 1 08/07/24 ND 50.0 1 08/07/24 Mg/kg Mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 08/07/24 08/08/24 ND 0.0500 1 08/07/24 08/08/24 ND 0.0250 1 08/07/24 08/08/24 MD 0.0250 1 08/07/24 08/08/24 mg/kg mg/kg Analyst: CG 08/08/24 ND 20.0 1 08/07/24 08/08/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/07/24 08/09/24 ND 50.0 1 08/07/24 08/09/24 ND 50.0 1 08/07/24 08/09/24 ND 50.0 1

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2024 9:02:46AM

FS21-2'

		Reporting					
Analyte	Result	Limit	Diluti	ion I	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	analyst: CG			Batch: 2432060
Benzene	ND	0.0250	1	(08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	(08/07/24	08/08/24	
Toluene	ND	0.0250	1	(08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	(08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	(08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	(08/07/24	08/08/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	(08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: CG			Batch: 2432060
Gasoline Range Organics (C6-C10)	ND	20.0	1	(08/07/24	08/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	(08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: NV			Batch: 2432064
Diesel Range Organics (C10-C28)	ND	25.0	1	(08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	(08/07/24	08/09/24	
Surrogate: n-Nonane		98.9 %	50-200		08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: JM			Batch: 2432094
Chloride	210	20.0	1		08/08/24	08/08/24	·



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2024 9:02:46AM

FS20-4'

		E408054-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2432060
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: CG		Batch: 2432060
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2432064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
Surrogate: n-Nonane		96.1 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2432094
Chloride	108	20.0	1	08/08/24	08/08/24	



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2024 9:02:46AM

FS22-2'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2432060
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: CG		Batch: 2432060
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2432064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
Surrogate: n-Nonane		97.8 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2432094
Chloride	138	20.0	1	08/08/24	08/08/24	·



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2024 9:02:46AM

FS24-2'

		Reporting					
Analyte	Result	Limit	Diluti	ion Prej	pared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	analyst: CG			Batch: 2432060
Benzene	ND	0.0250	1	08/0	07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/0	07/24	08/08/24	
Toluene	ND	0.0250	1	08/0	07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/0	07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/0	07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/0	07/24	08/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	08/0	07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: CG			Batch: 2432060
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/0	07/24	08/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/0	07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV			Batch: 2432064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/0	07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/0	07/24	08/09/24	
Surrogate: n-Nonane		98.6 %	50-200	08/0	07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: JM			Batch: 2432094
Chloride	181	20.0	1	08/0	08/24	08/08/24	·



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2024 9:02:46AM

FS23-2'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2432060
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2432060
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2432064
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
Surrogate: n-Nonane		99.6 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2432094
		·		·	·	



Matador Resources, LLC. Project Name: Airship Fee Com #1H ROW Reported:
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002
Dallas TX, 75240 Project Manager: Ashley Giovengo 8/13/2024 9:02:46AM

5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:		3003-0002 shley Giovengo	0			8/1	3/2024 9:02:46AN		
		Volatile O	rganics b	oy EPA 8021	1B				Analyst: CG		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2432060-BLK1)							Prepared: 0	8/07/24 Anal	yzed: 08/09/24		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130					
LCS (2432060-BS1)							Prepared: 0	8/07/24 Anal	yzed: 08/07/24		
Benzene	4.29	0.0250	5.00		85.9	70-130					
Ethylbenzene	4.12	0.0250	5.00		82.4	70-130					
Toluene	4.22	0.0250	5.00		84.4	70-130					
p-Xylene	4.11	0.0250	5.00		82.2	70-130					
o,m-Xylene	8.39	0.0500	10.0		83.9	70-130					
Total Xylenes	12.5	0.0250	15.0		83.3	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.8	70-130					
Matrix Spike (2432060-MS1)				Source: I	E408053-	06	Prepared: 0	8/07/24 Anal	yzed: 08/07/24		
Benzene	4.21	0.0250	5.00	ND	84.1	54-133					
Ethylbenzene	4.04	0.0250	5.00	ND	80.7	61-133					
Toluene	4.13	0.0250	5.00	0.0269	82.1	61-130					
p-Xylene	4.01	0.0250	5.00	ND	80.2	63-131					
o,m-Xylene	8.21	0.0500	10.0	ND	82.1	63-131					
Total Xylenes	12.2	0.0250	15.0	ND	81.5	63-131					
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.9	70-130					
Matrix Spike Dup (2432060-MSD1)				Source: I	E408053-	06	Prepared: 0	8/07/24 Anal	yzed: 08/07/24		
Benzene	4.11	0.0250	5.00	ND	82.2	54-133	2.35	20			
Ethylbenzene	3.94	0.0250	5.00	ND	78.8	61-133	2.39	20			
Toluene	4.04	0.0250	5.00	0.0269	80.3	61-130	2.17	20			
o-Xylene	3.92	0.0250	5.00	ND	78.4	63-131	2.27	20			
p,m-Xylene	8.02	0.0500	10.0	ND	80.2	63-131	2.38	20			

11.9

7.17

0.0250

15.0

8.00

ND

79.6

89.6

63-131

70-130

2.34

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/13/20249:02:46AM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: CG

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

	Result	Lillit	Level	Result	Rec	Lillits	KI D	Lillit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432060-BLK1)							Prepared: 0	8/07/24 Anal	yzed: 08/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			
LCS (2432060-BS2)							Prepared: 0	8/07/24 Anal	yzed: 08/09/24
Gasoline Range Organics (C6-C10)	39.2	20.0	50.0		78.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
Matrix Spike (2432060-MS2)				Source:	E408053-	06	Prepared: 0	8/07/24 Anal	yzed: 08/09/24
Gasoline Range Organics (C6-C10)	36.9	20.0	50.0	ND	73.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
Matrix Spike Dup (2432060-MSD2)				Source:	E408053-	06	Prepared: 0	8/07/24 Anal	yzed: 08/09/24
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.8	70-130	9.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/13/20249:02:46AM

Dallas 1X, /5240		Project Manager	r: As	niey Gioveng	30			(8/13/2024 9:02:40AN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432064-BLK1)							Prepared: 0	8/07/24 An	alyzed: 08/08/24
iesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.8		50.0		106	50-200			
.CS (2432064-BS1)							Prepared: 0	8/07/24 An	alyzed: 08/08/24
riesel Range Organics (C10-C28)	222	25.0	250		88.8	38-132			
urrogate: n-Nonane	51.0		50.0		102	50-200			
Aatrix Spike (2432064-MS1)				Source:	E408043-0	01	Prepared: 0	8/07/24 An	alyzed: 08/08/24
riesel Range Organics (C10-C28)	249	25.0	250	ND	99.7	38-132			
urrogate: n-Nonane	52.2		50.0		104	50-200			
Matrix Spike Dup (2432064-MSD1)				Source:	E408043-0	01	Prepared: 0	8/07/24 An	alyzed: 08/08/24
riesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132	3.24	20	
urrogate: n-Nonane	49.7		50.0		99.5	50-200			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Airship Fee Com #1H ROW 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2024 9:02:46AM
		ED 4 200 0/0057 4	_

		Anions	Analyst: JM						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432094-BLK1)							Prepared: 0	8/08/24 Anal	yzed: 08/08/24
Chloride	ND	20.0							
LCS (2432094-BS1)							Prepared: 0	8/08/24 Anal	yzed: 08/08/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2432094-MS1)				Source:	E408053-	03	Prepared: 0	8/08/24 Anal	yzed: 08/08/24
Chloride	299	20.0	250	36.3	105	80-120			
Matrix Spike Dup (2432094-MSD1)				Source:	E408053-	03	Prepared: 0	8/08/24 Anal	yzed: 08/08/24
Chloride	293	20.0	250	36.3	103	80-120	2.18	20	

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/13/24 09:02

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



	Clie	nt Inform	nation		7 0	Invoice Informa	ation				La	b Us	e Or	ly				TA	T		State	2
Client: N	1atador Prod	uction Co	ompany		Co	mpany: Ensolum LLC			Lab	WO#	1			Num			1D	2D	3D Std	NM	CO UT	TX
Project:	Airstrip Fee	Com #1H	H ROW		Ac	Idress: 3122 National Pa	irks Hwy		_ EL	108	05	4	23	003	3-00	200			x	x		
Project N	lanager: Ash	ley Giov	engo			y, State, Zip: Carlsbad N	M, 88220															
Address:	3122 Nation	nal Parks	Hwy		Ph	one: 575-988-0055							Ana	alysis	and	Met	hod			EP	A Progra	im
	e, Zip: Carlsh		88220		En	nail: agiovengo@ensol	um.com													SDWA	CWA	RCRA
	75-988-0055				Mis	cellaneous:																
Email: ag	giovengo@er	nsolum.co	om							8015	8015									Complianc	e Y	or N
) 8 G		17	0	0.0	5	Ĭ.	tals			PWSID#		
				Sam	ple Information	on				RO	ROE	/ 80	826	e 30	Z	- 50	Me					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	9	Filter	Lab Number	DRO/ORO by	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Chloride 300.	BGDOC - NM	TCEQ 1005	RCRA 8 Metals				Remarks	
12:32	8/5/2024	Soil	1		9	SW08 - 0-4'									х							
9:41	8/5/2024	Soil	1			FS21 - 2'			2						х							
15:30	8/5/2024	Soil	1			FS20 - 4'			3						х							
10:22	8/5/2024	Soil	1			FS22 - 2'			4						х							
16:24	8/5/2024	Soil	1			FS24 - 2'			5						х							
12:02	8/5/2024	Soil	1			FS23 - 21			9	Т					х							
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bsimmor	ns@ensolum	.com	7.0 - 7.0 - 1.0 1.0		200000000000000000000000000000000000000	agiovengo@ensolum.com			10000		7 19											
	oler), attest to the Brandon Deal	validity and	l authenticity o	of this sampl	le. I am aware that	tampering with or intentionally r	mislabeling the	sam	ple location	, date o	or time	of col	lection	is con	sidere	d frauc	and m	nay be g	grounds for	egal action.		
Relinquishe	ed by: (Signature	e)	Date 08/	6/2024	Time 9:3041	Received by: (Signature)	enles	Sate	(0-)4	Time	93	0								st be received o temp above 0 b		
Relinquishe	ed by: (Signature	e) made	Date	624	Time 1705	Received by (Signature)		Date	.6.24	Time	705	5			Rec	eived	on i	ce:	Lab U	se Only		
	d by: (Signature		Date	0.24	733s	Received by: (Signature)		8.	7.24	Time	25				T1				T2		T3	
Relinquishe	ed by: (Signature	e)	Date		Time	Received by: (Signature)		Date		Time					AVG	Ten	np °C	4				
Sample Mat	rix: S - Soil, Sd - So	olid, Sg - Sluc	dge, A - Aqueo	us, O - Othe	r			Cont	ainer Typ	e: g -	glass,	p - p	oly/p	lastic	, ag -	ambe	er glas	ss, v -	VOA			
Note: Sami	oles are discarde	ed 14 days	after results	are reporte	ed unless other a	rrangements are made. Hazari	dous sample	s will	be return	ed to c	lient o	or disr	osed	of at t	he cli	ent ex	pense	. The r	eport for t	ne analysis o	f the abov	e samples is

enviroteclist expense. The report for the analysis of the above samples is

applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Printed: 8/7/2024 11:20:25AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/07/24	08:25	Work Order ID:	E408054
Phone:	(972) 371-5200	Date Logged In:	08/07/24 (08:16	Logged In By:	Keyliegh Hall
Email:	agiovngo@ensolum.com	Due Date:	08/13/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Couier	<u>r</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	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 the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C			_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	ners concerca.	105			
	field sample labels filled out with the minimum info	ormation.				
	ample ID?	mation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
-	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: N/A	\	
				Subcontract East, 1471	•	
Chent In	<u>istruction</u>					

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Airship Fee Com #1H ROW

Work Order: E408073

Job Number: 23003-0002

Received: 8/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/14/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/14/24

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

Project Name: Airship Fee Com #1H ROW

Workorder: E408073

Date Received: 8/8/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2024 8:30:00AM, under the Project Name: Airship Fee Com #1H ROW.

The analytical test results summarized in this report with the Project Name: Airship Fee Com #1H ROW apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS25-2'	5
FS26-2'	6
FS27-2'	7
FS28-2'	8
BH01-11'	9
SW07-0-4'	10
SW09-0-2'	11
SW10-0-2'	12
QC Summary Data	13
QC - Volatile Organic Compounds by EPA8260B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc	18

Sample Summary

Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/14/24 09:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS25-2'	E408073-01A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
FS26-2'	E408073-02A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
FS27-2'	E408073-03A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
FS28-2'	E408073-04A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
BH01-11'	E408073-05A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW07-0-4'	E408073-06A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW09-0-2'	E408073-07A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.
SW10-0-2'	E408073-08A	Soil	08/06/24	08/08/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/14/2024 9:30:46AM

FS25-2' E408073-01

	E4000/3-01					
Pagult	Reporting	Dilo	ution	Dranarad	Analyzad	Notes
Result	Limit	Dilu	шоп	Frepared	Anaiyzeu	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
ND	0.0250	1	1	08/08/24	08/10/24	
ND	0.0250	1	1	08/08/24	08/10/24	
ND	0.0250	1	1	08/08/24	08/10/24	
ND	0.0250	1	1	08/08/24	08/10/24	
ND	0.0500	1	1	08/08/24	08/10/24	
ND	0.0250	1	1	08/08/24	08/10/24	
	117 %	70-130		08/08/24	08/10/24	
	88.5 %	70-130		08/08/24	08/10/24	
	108 %	70-130		08/08/24	08/10/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
ND	20.0	1	1	08/08/24	08/10/24	
	117 %	70-130		08/08/24	08/10/24	
	88.5 %	70-130		08/08/24	08/10/24	
	108 %	70-130		08/08/24	08/10/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2432084
ND	25.0	1	1	08/08/24	08/09/24	
ND	50.0	1	1	08/08/24	08/09/24	
	110 %	50-200		08/08/24	08/09/24	
и			Analyst:	IM		Batch: 2432112
mg/kg	mg/kg		z tiiai y st.	3141		Daten. 2-132112
	ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 II7 % 88.5 % 108 % mg/kg ND 20.0 II7 % 88.5 % 108 % 108 % mg/kg mg/kg ND 25.0 ND 50.0	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 117 % 70-130 88.5 % 70-130 108 % 70-130 mg/kg mg/kg ND 20.0 117 % 70-130 88.5 % 70-130 108 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 110 % 50-200	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 117 % 70-130 88.5 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 117 % 70-130 1 88.5 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 110 % 50-200	Reporting Result Limit Dilution Prepared mg/kg Malyst: IY ND 0.0250 1 08/08/24 ND 0.0250 1 08/08/24 ND 0.0250 1 08/08/24 ND 0.0250 1 08/08/24 ND 0.0500 1 08/08/24 ND 0.0250 1 08/08/24 ND 0.0250 1 08/08/24 88.5 % 70-130 08/08/24 88.5 % 70-130 08/08/24 mg/kg mg/kg Analyst: IY ND 20.0 1 08/08/24 88.5 % 70-130 08/08/24 88.5 % 70-130 08/08/24 108 % 70-130 08/08/24 mg/kg mg/kg Analyst: NV ND 25.0 1 08/08/24 ND 50.0 1 08/08/24 ND 50.0 1	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 08/08/24 08/10/24 ND 0.0500 1 08/08/24 08/10/24 ND 0.0250 1 08/08/24 08/10/24 ND 0.0250 1 08/08/24 08/10/24 88.5 % 70-130 08/08/24 08/10/24 88.5 % 70-130 08/08/24 08/10/24 mg/kg mg/kg Analyst: IY ND 20.0 1 08/08/24 08/10/24 88.5 % 70-130 08/08/24 08/10/24 88.5 % 70-130 08/08/24 08/10/24 mg/kg mg/kg Analyst: NV ND <



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

FS26-2'

E408073-02

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
Benzene	ND	0.0250		1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250		1	08/08/24	08/10/24	
Toluene	ND	0.0250		1	08/08/24	08/10/24	
o-Xylene	ND	0.0250		1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500		1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250		1	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		108 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		108 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/24	08/09/24	
Surrogate: n-Nonane		97.5 %	50-200		08/08/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2432112
Chloride	48.3	20.0		1	08/08/24	08/09/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

FS27-2'

E408073-03

		E400075-05					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Allaryte		Limit			•	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
Benzene	ND	0.0250		1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250		1	08/08/24	08/10/24	
Toluene	0.0260	0.0250		1	08/08/24	08/10/24	
o-Xylene	ND	0.0250		1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500		1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250		1	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		114 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		109 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		114 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		109 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/24	08/09/24	
Surrogate: n-Nonane		96.7 %	50-200		08/08/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2432112
Chloride	112	20.0		1	08/08/24	08/09/24	



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

FS28-2'

E408073-04

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2432099
Benzene	ND	0.0250		1	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250		1	08/08/24	08/10/24	
Toluene	ND	0.0250		1	08/08/24	08/10/24	
o-Xylene	ND	0.0250		1	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500		1	08/08/24	08/10/24	
Total Xylenes	ND	0.0250		1	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		113 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		107 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2432099	
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		113 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		107 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV				Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/24	08/09/24	
Surrogate: n-Nonane		98.4 %	50-200		08/08/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2432112



Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

BH01-11' E408073-05

		E400073-03					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2432099
Benzene	ND	0.0250	1		08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1		08/08/24	08/10/24	
Toluene	ND	0.0250	1		08/08/24	08/10/24	
o-Xylene	ND	0.0250	1		08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1		08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1		08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		108 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2432099
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		108 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV	V		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1		08/08/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1		08/08/24	08/09/24	
Surrogate: n-Nonane		104 %	50-200		08/08/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM	ſ		Batch: 2432112
Chloride	445	20.0	1		08/08/24	08/09/24	
Cilioriac	443	20.0					



Sample Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

SW07-0-4' E408073-06

		E400073-00					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2432099
Benzene	ND	0.0250	1	l	08/08/24	08/10/24	
Ethylbenzene	ND	0.0250	1	l	08/08/24	08/10/24	
Toluene	ND	0.0250	1	l	08/08/24	08/10/24	
o-Xylene	ND	0.0250	1	l	08/08/24	08/10/24	
p,m-Xylene	ND	0.0500	1	l	08/08/24	08/10/24	
Total Xylenes	ND	0.0250	1	Į	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		118 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		107 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2432099
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/08/24	08/10/24	
Surrogate: Bromofluorobenzene		118 %	70-130		08/08/24	08/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		08/08/24	08/10/24	
Surrogate: Toluene-d8		107 %	70-130		08/08/24	08/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	IV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1		08/08/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/08/24	08/09/24	
Surrogate: n-Nonane		106 %	50-200		08/08/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: J	M		Batch: 2432112
Chloride	581	20.0	1		08/08/24	08/09/24	



Sample Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

SW09-0-2' E408073-07

		E100076 07					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst: I	•	1 mary 200	Batch: 2432099
Volatile Organic Compounds by EPA 8260B	ND	0.0250	1	1	08/08/24	08/12/24	Batch. 2432077
Benzene	ND ND	0.0250	1	1	08/08/24	08/12/24	
Ethylbenzene Toluene	ND	0.0250	1	I	08/08/24	08/12/24	
o-Xylene	ND	0.0250	1	I	08/08/24	08/12/24	
•	ND ND	0.0500	1	I	08/08/24	08/12/24	
p,m-Xylene Total Xylenes	ND	0.0300	1		08/08/24	08/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/12/24	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		08/08/24	08/12/24	
Surrogate: Toluene-d8		108 %	70-130		08/08/24	08/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2432099
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/08/24	08/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/12/24	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130		08/08/24	08/12/24	
Surrogate: Toluene-d8		108 %	70-130		08/08/24	08/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1		08/08/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	[08/08/24	08/09/24	
Surrogate: n-Nonane		112 %	50-200		08/08/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: J	М		Batch: 2432112
Chloride	209	20.0	1	1	08/08/24	08/09/24	



Sample Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROW5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

SW10-0-2' E408073-08

		E4000/3-00					
	D 1:	Reporting			D 1		N .
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
Benzene	ND	0.0250		1	08/08/24	08/12/24	
Ethylbenzene	ND	0.0250		1	08/08/24	08/12/24	
Toluene	0.0260	0.0250		1	08/08/24	08/12/24	
o-Xylene	ND	0.0250		1	08/08/24	08/12/24	
p,m-Xylene	ND	0.0500		1	08/08/24	08/12/24	
Total Xylenes	ND	0.0250		1	08/08/24	08/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/12/24	
Surrogate: 1,2-Dichloroethane-d4		88.6 %	70-130		08/08/24	08/12/24	
Surrogate: Toluene-d8		111 %	70-130		08/08/24	08/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2432099
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/08/24	08/12/24	
Surrogate: Bromofluorobenzene		115 %	70-130		08/08/24	08/12/24	
Surrogate: 1,2-Dichloroethane-d4		88.6 %	70-130		08/08/24	08/12/24	
Surrogate: Toluene-d8		111 %	70-130		08/08/24	08/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0		1	08/08/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/08/24	08/09/24	
Surrogate: n-Nonane		114 %	50-200		08/08/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2432112
Chloride	ND	20.0		1	08/08/24	08/09/24	



QC Summary Data

Matador Resources, LLC. Project Name: Airship Fee Com #1H ROW Reported:
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002
Dallas TX, 75240 Project Manager: Ashley Giovengo 8/14/2024 9:30:46AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			8/14	4/2024 9:30:46AN
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
,	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432099-BLK1)							Prepared: 0	8/08/24 Analy	yzed: 08/10/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.587		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
LCS (2432099-BS1)							Prepared: 0	8/08/24 Analy	yzed: 08/10/24
Benzene	2.23	0.0250	2.50		89.3	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.8	70-130			
Foluene	2.45	0.0250	2.50		98.1	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.19	0.0500	5.00		104	70-130			
Total Xylenes	7.81	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.577		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.5	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike (2432099-MS1)				Source:	E408073-	03	Prepared: 0	8/08/24 Analy	yzed: 08/10/24
Benzene	2.36	0.0250	2.50	ND	94.4	48-131			
Ethylbenzene	2.48	0.0250	2.50	ND	99.1	45-135			
Toluene	2.54	0.0250	2.50	0.0260	101	48-130			
o-Xylene	2.71	0.0250	2.50	ND	108	43-135			
o,m-Xylene	5.35	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.06	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.572		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
Matrix Spike Dup (2432099-MSD1)				Source:	E408073-		•		yzed: 08/10/24
Benzene	2.15	0.0250	2.50	ND	86.0	48-131	9.36	23	
Ethylbenzene	2.27	0.0250	2.50	ND	90.7	45-135	8.81	27	
Toluene	2.33	0.0250	2.50	0.0260	92.2	48-130	8.68	24	
o-Xylene	2.54	0.0250	2.50	ND	102	43-135	6.21	27	
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135	6.24	27	
Total Xylenes	7.57	0.0250	7.50	ND	101	43-135	6.23	27	
Surrogate: Bromofluorobenzene	0.584		0.500		117	70-130			

0.500

0.500

91.2

106

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.456

0.530

Analyst: IY

QC Summary Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

Nonhalogenated	Organics	by EPA	8015D -	GRO
Tionnaiogenatea	Organics	Dy LIII	OULDE	GILO

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

	resure				1100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432099-BLK1)							Prepared: 08	8/08/24 Ana	alyzed: 08/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.587		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
LCS (2432099-BS2)							Prepared: 08	8/08/24 Ana	alyzed: 08/10/24
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130	·		
Surrogate: Bromofluorobenzene	0.587		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			
Matrix Spike (2432099-MS2)				Source:	E408073-	03	Prepared: 08	8/08/24 Ana	alyzed: 08/10/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.5	70-130			
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			
Matrix Spike Dup (2432099-MSD2)				Source:	E408073-	03	Prepared: 08	8/08/24 Ana	alyzed: 08/10/24
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130	0.391	20	
Surrogate: Bromofluorobenzene	0.572		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			



QC Summary Data

Matador Resources, LLC.Project Name:Airship Fee Com #1H ROWReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/14/20249:30:46AM

Dullus 171, 732 10		1 roject manage	1. 7K	mey Groveng	-0			9. 2	
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432084-BLK1)							Prepared: 0	8/08/24 Analy	yzed: 08/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.3		50.0		111	50-200			
LCS (2432084-BS1)							Prepared: 0	8/08/24 Analy	yzed: 08/08/24
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	51.3		50.0		103	50-200			
Matrix Spike (2432084-MS1)				Source:	E408063-	02	Prepared: 0	8/08/24 Analy	yzed: 08/08/24
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	57.6		50.0		115	50-200			
Matrix Spike Dup (2432084-MSD1)				Source:	E408063-	02	Prepared: 0	8/08/24 Analy	yzed: 08/08/24
Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	38-132	1.13	20	
Surrogate: n-Nonane	58.1		50.0		116	50-200			

Chloride

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Airship Fee Com #1H ROW 23003-0002	Reported:
Dallas TX, 75240	Project Number: Project Manager:	Ashley Giovengo	8/14/2024 9:30:46AM

	Anions by EPA 300.0/9056A									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2432112-BLK1)							Prepared: 0	8/08/24 Anal	yzed: 08/09/24	
Chloride	ND	20.0								
LCS (2432112-BS1)							Prepared: 0	8/08/24 Anal	lyzed: 08/09/24	
Chloride	251	20.0	250		100	90-110				
Matrix Spike (2432112-MS1)				Source:	E408073-	02	Prepared: 0	8/08/24 Anal	lyzed: 08/09/24	
Chloride	349	20.0	250	48.3	120	80-120				
Matrix Spike Dup (2432112-MSD1)				Source:	E408073-	02	Prepared: 0	8/08/24 Anal	lyzed: 08/09/24	

250

20.0

48.3

110

80-120

7.46

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Airship Fee Com #1H ROW	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/14/24 09:30

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.



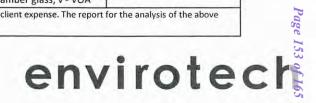
	C	hain	of	Custody
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Page	l of l
I ubc _	

Client Information				Invoice Information			Lab Use Only						TAT				State						
Client: Matador Production Company		Co	Company: Ensolum LLC		Lab	Lab WO# Job Nu				Num	mber 1D 2D			3D Sto	N E	M CO L	JT TX						
Project: Airstrip Fee Com #1H ROW		Ad	Address: 3122 National Parks Hwy		EL	Lab WO# Job E 40 80 73 23				003-0002					x	×							
Project N	Manager: As	hley Giov	engo		Cit	ty, State, Zip: Carlsbad NM	, 88220																
Address:	3122 Natio	nal Parks	Hwy		Ph	one: 575-988-0055								Analysis and Met			Method				EPA Program		
City, Stat	te, Zip: Carls	bad NM,	88220		E	mail: agiovengo@ensolun	n.com													SDW	A CWA	RC	CRA
Phone:	575-988-005	5			Mi	scellaneous:												1				20 4 3	
Email: a	giovengo@e	nsolum.c	om						15	2 2								Compl	Compliance Y or		N		
										y 8015	7 8015		_	0.0	-	×	sle			PWSID	#		
				Sam	ple Informat	ion				30 b	30 b	802	8260	300	N.	T- 50	Met	1					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Filter	Lab lumber	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remar	ks	
9:12	8/6/2024	Soil	1			FS25 - 2'			1						x								
9:14	8/6/2024	Soil	1			FS26 - 2'			2		H				х	n							
9:17	8/6/2024	Soil	1			FS27 - 2'			3						х								
9:20	8/6/2024	Soil	1			FS28 - 2'			4						х								
10:15	8/6/2024	Soil	1			BH01 - 11'		T	5						x								
11:22	8/6/2024	Soil	1			SW07 - 0-4'			6						x								
11:00	8/6/2024	Soil	1			SW09 - 0-2'		Ī	7						x								
11:27	8/6/2024	Soil	1			SW10 - 0-2'		Ī	8						х			9					
A ddition	al Instruction	ns: Dia	aco CC: ch	urton@	nsolum som	ı, agiovengo@ensolum.con	n instrall	200	oncolun	2 501	m he	toole	Done	olun		n ch	amile	1006	loncolu	m com			
	ns@ensolun		ase CC. CD	urton@e	ensolulii.com	i, agiovengowensoium.com	ii, iestreli	awi	ensolur	11.001	11, 00	ieal(vens	olun	i.cor	n, cn	allill	une	ensolu	iii.com,			
			d authenticity	of this same	ole. I am aware th	at tampering with or intentionally mis	slabeling the	samp	le location	, date	or time	e of co	llection	n is co	nsidere	ed frau	d and r	may be	grounds f	or legal act	ion.		
	:Brandon Deal	2.04 3.04																					
	ned by: (Signatu		Date		Time	Received/by: (Signature)	A Da			Time					Sampl	es requ	iring the	ermal pr	eservation	must be rece	eived on ice the	day they	are
RI	ul/		81-	7/2014		pacetived by: (Signature)	mes 2	1-	1-24	D	930	0	Q.			ed or re		packed i	n ice at an a	vg temp ab	ove 0 but less t	han 6 °C o	n
Relinquish	ned by: (Signatu	ire)	Date	- 11	Time	Received by: (Signature)	Da	te		Time					sunser	nuent.a	avs		Labl	Jse Only	6		
Relinquished by: (Signature) Nichelle Gangeles 8724 S Relinquished by: (Signature) Date Time		1220	Received by: (Signature)	8	51	-24	17	10				Rec	eived	on i	ce:		N						
Relinquish	ied by: (Signatu	re) 0	Date	2/2	Time	Received by: (Signature)	Da	te		Thirte					10000								
Carry	de Er	ine	8-	8-24	0012	Sula	8	-8	-24	09	30)			T1				T2		T3		
Relinquish	ned by: (Signatú	ire)	Date		Time	Received by: (Signature)	Da			Time					AVG	i Ten	np °C						
Sample Ma	trix: S - Soil, Sd - S	Solid, Sg - Slu	idge, A - Aque	ous, O - Oth	er		Co	nta	ner Typ	e: g -	glass	, p - I	oly/p	olasti						1			
Note: San	ples are discar	ded 14 day	s after result	s are repo	rted unless othe	er arrangements are made. Hazaro	dous sample	es wi	ill be retu	rned '	to clie	nt or	dispos	sed of	at th	e clier	nt expe	ense.	he repor	t for the	analysis of t	he abov	e

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.





Printed: 8/8/2024 1:49:59PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/08/24	08:30	Work Order ID:	E408073
Phone:	(972) 371-5200	Date Logged In:	08/07/24	16:15	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:		17:00 (4 day TAT)	86	
Chain of	Custody (COC)					
1. Does th	e sample ID match the COC?		Yes			
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: Couic	<u>er</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes		_	
5. Were al	l samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in				Comment	ts/Resolution
Cample T	i.e, 15 minute hold time, are not included in this disucssi	on.				<i>57110501441011</i>
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes			
	•		168			
Sample C			Ves			
	ample cooler received? was cooler received in good condition?		Yes			
•	•		Yes			
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes			
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>			
Sample C	<u>ontainer</u>					
14. Are ac	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 no	on-VOC samples collected in the correct containers	?	Yes			
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab	<u>el</u>					
	field sample labels filled out with the minimum info	ormation:				
	imple ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		No			
	<u>reservation</u> the COC or field labels indicate the samples were p	recerved?	No			
	mple(s) correctly preserved?	reserveu:	NA			
	filteration required and/or requested for dissolved n	netale?	No			
	•	ictais:	NO			
	se Sample Matrix	0				
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	mples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: NA	A	
Client In	struction					

Date



APPENDIX E

Email Correspondence

From: Velez, Nelson, EMNRD

To: Ashley Giovengo

Cc: Cole Burton; Chad Hamilton; arsenio.jones@matadorresources.com; jason.touchet@matadorresources.com;

clinton.talley@matadorresources.com; Bratcher, Michael, EMNRD

Subject: Re: [EXTERNAL] Extension Request - Airstrip Fee Com #1H - Incident Number nAPP2413925956

Date: Wednesday, August 7, 2024 2:39:45 PM

Attachments: image001.png

image002.png image003.png Outlook-b141ip3v.png

[**EXTERNAL EMAIL**]

Good day Ashley,

Thank you for the correspondence. Your time extension request is approved. Remediation Due date has been updated to November 14, 2024.

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

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

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.nm.gov/ocd



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Wednesday, August 7, 2024 2:33 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Arsenio Jones <arsenio.jones@matadorresources.com>; Jason Touchet <jason.touchet@matadorresources.com>; clinton.talley@matadorresources.com>

Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com> **Subject:** [EXTERNAL] Extension Request - Airstrip Fee Com #1H - Incident Number nAPP2413925956

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

All,

Matador Production Company (Matador) is requesting an extension of the current deadline of August 16, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Airstrip Fee Com #1H (Site) (Incident Number nAPP2413925956). The release occurred on May 18, 2024, and lateral and vertical delineation sampling to the strictest Closure Criteria per NMOCD Table I has been completed at the Site. Ensolum personnel oversaw the excavation of the off-pad release extent beginning on July 30, 2024, through August 06, 2024. Ensolum personnel collected confirmation samples every 200 square feet from the floor and sidewalls of the excavation and final laboratory analytical results are pending analysis. Matador intends to submit a remediation work plan or closure report, upon receiving/reviewing final laboratory analytical results and Matador respectfully requests a 90-day extension until November 14, 2024.

Thanks,



"Your authenticity is your superpower." - Unknown

<u>District I</u> 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

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

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

QUESTIONS

Action 376563

QUESTIONS

Operator:	OGRID:				
MATADOR PRODUCTION COMPANY	228937				
One Lincoln Centre	Action Number:				
Dallas, TX 75240	376563				
	Action Type:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2413925956			
Incident Name	NAPP2413925956 AIRSTRIP FEE COM 1H 4" ROW @ 0			
Incident Type	Produced Water Release			
Incident Status	Remediation Closure Report Received			

Location of Release Source					
Please answer all the questions in this group.					
Site Name	AIRSTRIP FEE COM 1H 4" ROW				
Date Release Discovered 05/18/2024					
Surface Owner	Private				

ncident Details					
Please answer all the questions in this group.					
Incident Type	Produced Water Release				
Did this release result in a fire or is the result of a fire	No				
Did this release result in any injuries	No				
Has this release reached or does it have a reasonable probability of reaching a watercourse	No				
Has this release endangered or does it have a reasonable probability of endangering public health	No				
Has this release substantially damaged or will it substantially damage property or the environment	No				
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No				

faterial(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.					
Crude Oil Released (bbls) Details	Not answered.				
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 61 BBL Recovered: 0 BBL Lost: 61 BBL.				
Is the concentration of chloride in the produced water >10,000 mg/l	No				
Condensate Released (bbls) Details	Not answered.				
Natural Gas Vented (Mcf) Details	Not answered.				
Natural Gas Flared (Mcf) Details	Not answered.				
Other Released Details	Not answered.				
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Someone shot the poly line with a firearm. Not sure who done this.				

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

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

QUESTIONS, Page 2

Action 376563

Phone: (505) 476-3470 Fax: (505) 476-3462	,				
QUESTIONS (continued)					
Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937 Action Number: 376563 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)				
QUESTIONS					
Nature and Volume of Release (continued)					
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.				
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes				
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.				
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.				
Initial Response The responsible party must undertake the following actions immediately unless they could create as	safety hazard that would result in injury.				
The source of the release has been stopped	True				
The impacted area has been secured to protect human health and the environment	True				
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True				
All free liquids and recoverable materials have been removed and managed appropriately	True				
If all the actions described above have not been undertaken, explain why	Not answered.				
	namediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required tasses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or				
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep				

Email: jason.touchet@matadorresources.com

Date: 08/22/2024

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 376563

QUESTIONS (continued)

Operator:	OGRID:				
MATADOR PRODUCTION COMPANY	228937				
One Lincoln Centre	Action Number:				
Dallas, TX 75240	376563				
	Action Type:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

QUESTIONS

Site Characterization					
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.					
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)				
What method was used to determine the depth to ground water	NM OSE iWaters Database Search				
Did this release impact groundwater or surface water	No				
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:				
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)				
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)				
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)				
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)				
Any other fresh water well or spring	Between ½ and 1 (mi.)				
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)				
A wetland	Between ½ and 1 (mi.)				
A subsurface mine	Greater than 5 (mi.)				
An (non-karst) unstable area	Greater than 5 (mi.)				
Categorize the risk of this well / site being in a karst geology	Low				
A 100-year floodplain	Greater than 5 (mi.)				
Did the release impact areas not on an exploration, development, production, or storage site	Yes				

Remediation Plan						
Please answer all the questions that apply or are indicated. This info	ormation must be provided to th	e appropriate district office no later than 90 days after the release discovery date.				
Requesting a remediation plan approval with this submi	ssion	Yes				
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.						
Have the lateral and vertical extents of contamination bee	en fully delineated	Yes				
Was this release entirely contained within a lined contain	nment area	No				
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)						
Chloride (EPA 300.0 or SM4500	CIB)	28800				
TPH (GRO+DRO+MRO) (EPA SW-846 Method 80	15M)	20				
GRO+DRO (EPA SW-846 Method 8	8015M)	20				
BTEX (EPA SW-846 Method 8	3021B or 8260B)	0				
Benzene (EPA SW-846 Method 8	8021B or 8260B)	0				
	Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.					
On what estimated date will the remediation commence		07/30/2024				
On what date will (or did) the final sampling or liner inspe	ection occur	08/06/2024				
On what date will (or was) the remediation complete(d)		08/06/2024				
What is the estimated surface area (in square feet) that v	will be reclaimed	6200				
What is the estimated volume (in cubic yards) that will be	reclaimed	803				
What is the estimated surface area (in square feet) that v	will be remediated	6200				
What is the estimated volume (in cubic yards) that will be	remediated	803				
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.						
The OCD recognizes that proposed remediation measures may have	to be minimally adjusted in acc	cordance with the physical realities encountered during remediation. If the responsible party has any need to				

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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

QUESTIONS, Page 4

Action 376563

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	376563
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	Not answered.	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Yes	
What is the name of the NMED facility	R360 Hobbs	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: jason.touchet@matadorresources.com

Date: 08/22/2024

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

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

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QUESTIONS, Page 5

Action 376563

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	376563
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 376563

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	369322
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2024
What was the (estimated) number of samples that were to be gathered	32
What was the sampling surface area in square feet	5004

Remediation Closure Request			
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission Yes			
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes		
What was the total surface area (in square feet) remediated	6200		
What was the total volume (cubic yards) remediated	803		
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes		
What was the total surface area (in square feet) reclaimed	6200		
What was the total volume (in cubic yards) reclaimed	803		
Summarize any additional remediation activities not included by answers (above)	N/A		

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Jason Touchet
Title: EHS Field Rep
Email: jason.touchet@matadorresources.com
Date: 08/22/2024

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QUESTIONS, Page 7

Action 376563

QUESTIONS (continued)

Operator:	OGRID:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 376563

CONDITIONS

Operator:	OGRID:
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One Lincoln Centre	Action Number:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	Remediation closure report approved, release resolved.	10/8/2024