ENSOLUM

January 2, 2025

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

Re: Closure Request
Weinberger Federal Com #135 Well Pad
Incident Number nAPP2430259679
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 Weinberger Federal Com #135 Well Pad (Site). The Site is located in Unit L, Section 30, Township 24 South, Range 36 East, in Lea County, New Mexico (32.18884°, -103.31024°) 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 crude oil. 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 nAPP2430259679.

BACKGROUND

On October 28, 2024, a choke manifold misalignment resulted in the release of approximately 34 barrels (bbls) of crude oil onto an off-pad area approximately 9,804 square feet in size; 20 bbls of crude oil were recovered via vacuum truck. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on October 28, 2024, and the release was subsequently assigned Incident Number nAPP2430259679.

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) soil boring, CP-01919 POD1, located approximately 1.39 miles south of the Site. The well had a reported depth to groundwater greater than 101 feet below ground surface (bgs) and a total depth of 101 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 conditions. 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 an intermittent dry wash, located approximately 560 feet southwest 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),TPH-diesel range organics (DRO) and (TPH)-oil range orgnaics: 100 mg/kg
- Chloride: 600 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 ASSESMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On October 30, 2024, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities. Eight delineation soil samples (SS01 through SS08) were collected from around the release extent at ground surface to assess the lateral extent of release. Ensolum personnel returned to the Site on November 04, 2024, to advance three boreholes via hand auger within the release extent to assess the vertical extent of the release. Boreholes (BH01 through BH03) were all advanced to a depth of 2 feet bgs with the exception of borehole BH01, which was collected at ground surface. Discrete delineation soil samples were collected from each borehole and field screened for chloride utilizing Hach® chloride QuanTab® test strips and for volatile organic compounds (VOCs) using a calibrated Honeywell® photoionization detector (PID), respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. The delineation soil sample locations are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix C.

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

On November 13, 2024, Ensolum personnel returned to the Site to advance boreholes BH01 through BH03 via backhoe. Three potholes were advanced in the vicinity of boreholes BH01 through BH03 to a depth of 3 feet bgs in potholes PH01 and PH03 and to a depth of 4 feet bgs in pothole PH02. Lateral

delineation soil sample (SS01 through SS03) and (SS06 through SS08) were recollected at ground surface.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS08, collected around the release extent, indicated concentrations of TPH exceeded the reclamation requirement in every sample location except SS04 and SS05, which were both in compliance with the Site Closure Criteria and with the reclamation requirement at ground surface. Laboratory analytical results indicated TPH concentrations exceeded the Site Closure Criteria at ground surface in boreholes BH01 and BH02, and at 2 feet bgs in borehole BH03; laboratory analytical results indicated that chloride concentrations exceeded the Site Closure Criteria at ground surface in borehole BH01.

Laboratory analytical results for the vertical delineation soil samples collected from potholes PH01 through PH03 indicated all COC concentrations were in compliance with the Site Closure Criteria and with the strictest criteria at a depth of 3 feet bgs in potholes PH01 and PH03 and 4 feet bgs in pothole PH02. Laboratory analytical results for lateral delineation soil samples SS01A through SS03A and SS06A through SS08B were all incompliance with the Site Closure Criteria and with the reclamation requirement at ground surface. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on December 10, 2024, impacted and 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 utilizing Hach® chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® soil analyzer system respectively.

Following the removal of impacted and 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 FS52) were collected from the floor of the excavation at depths ranging from 3 feet to 4.5 feet bgs. Confirmation sidewall soil samples (SW01 through SW10) were collected at depths ranging from ground surface to 4.5 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 9,877 square feet. A total of approximately 1,640 cubic yards of impacted and waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the Northern Delaware Basin Disposal Facility in Jal New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor soil samples (FS01 through FS52) indicated all COC concentrations were in compliance with the Site Closure Criteria at depth ranging from 3 feet to 4.5 feet bgs and with the reclamation requirement. Laboratory analytical results for confirmation side wall samples (SW01 though SW10) indicated that COC concentrations were all in compliance with the

reclamation requirement. Laboratory analytical results are summarized in Tables 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 SS003A, SS04, SS05, and SS06A through SS08B, collected at ground surface, and vertically by potholes PH01 through PH03, collected at depths between ground surface and 4 feet bgs. Excavation of the waste-containing soil area off pad was completed, and excavation floor samples (FS01 through FS52), collected at depths ranging from 3 feet to 4.5 feet bgs, and confirmation sidewall soil samples (SW01 through SW10), collected from ground surface to 4.5feet 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 101 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 nAPP2430259679.

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

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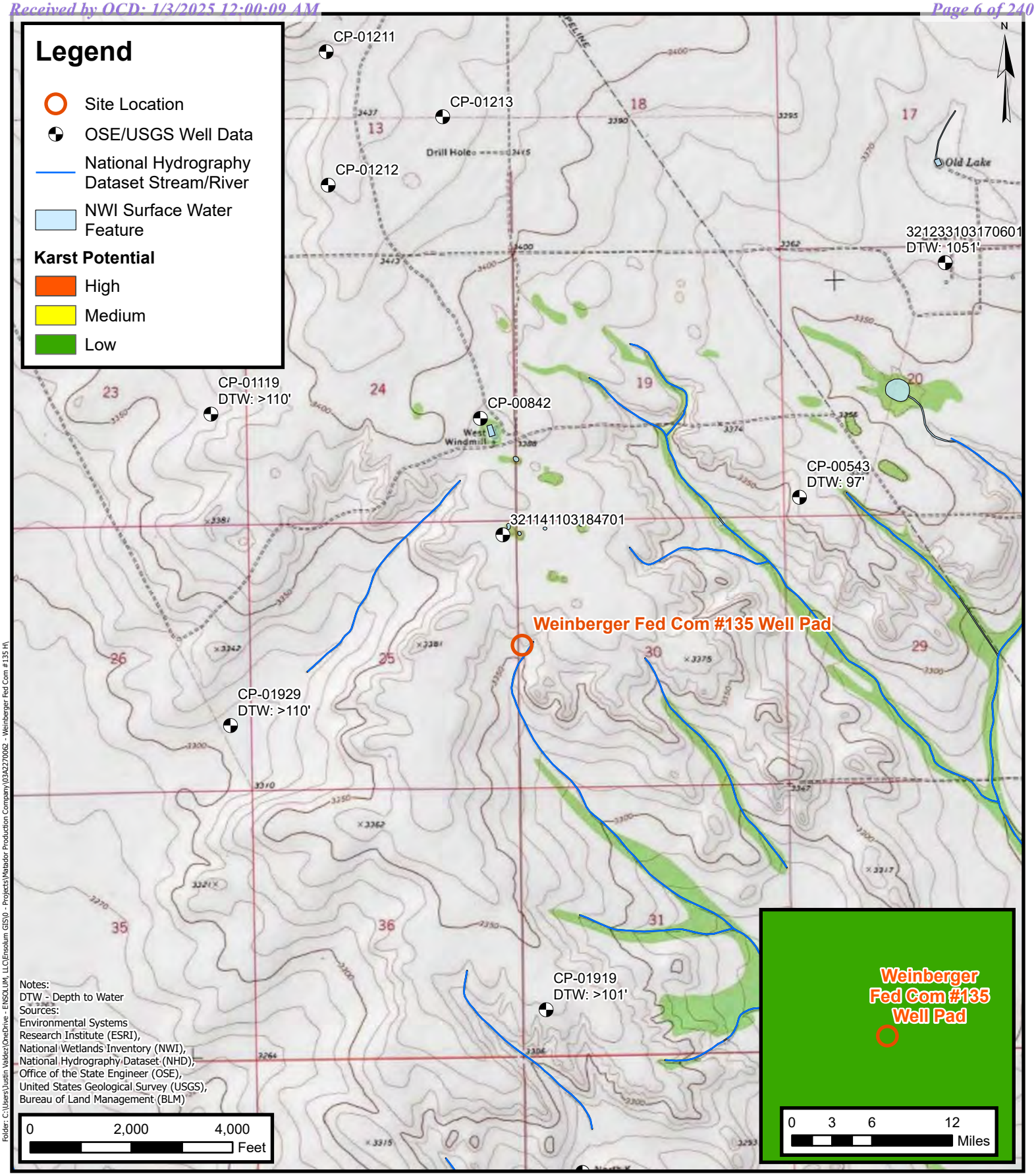
FIGURES



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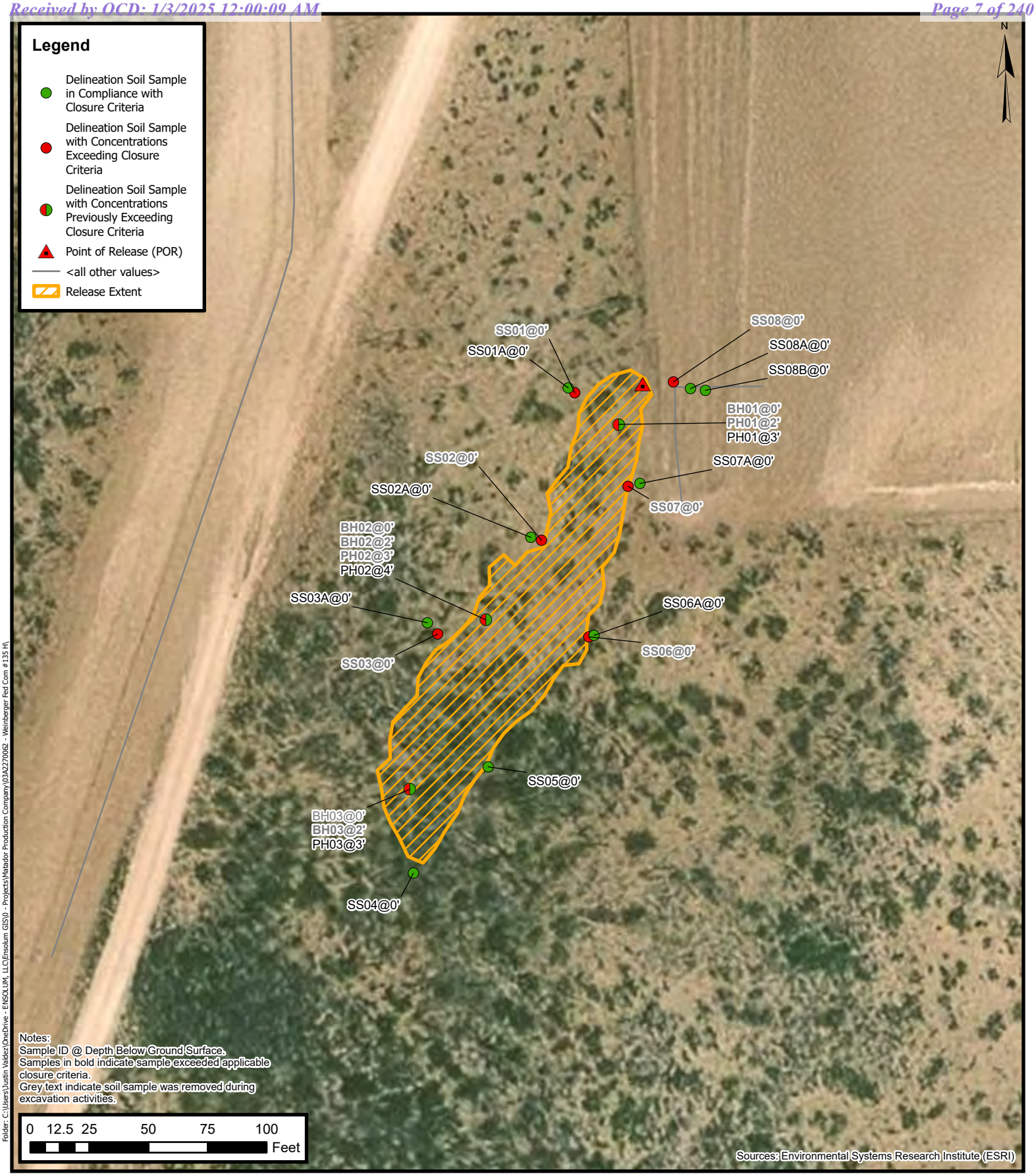
Site Receptor Map

Matador Production Company
Weinberger Fed Com #135 Well Pad
Incident Number: nAPP2430259679
Unit L, Section 30, T 24S, R 36E
Lea County, New Mexico

FIGURE 1



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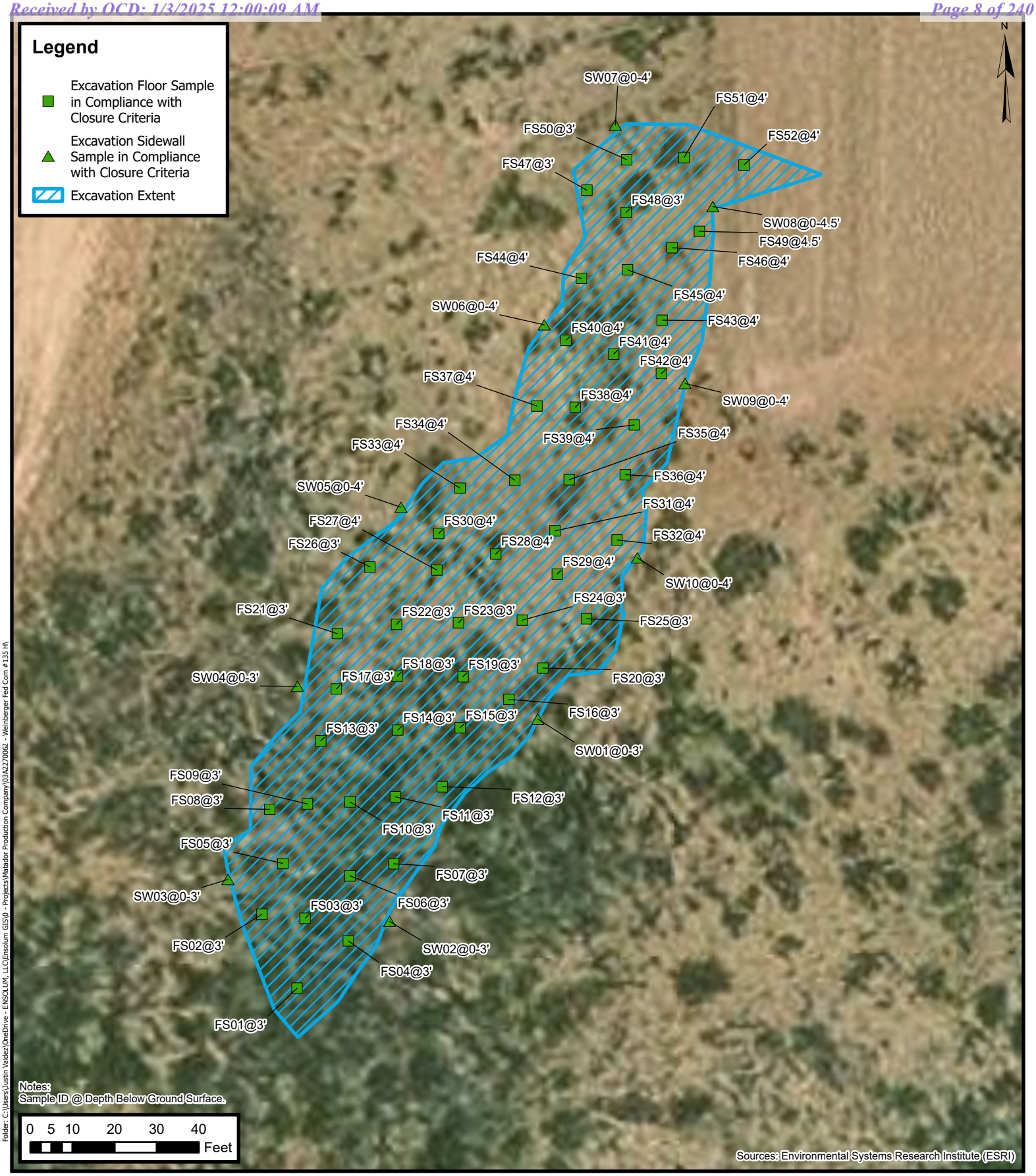
Delineation Soil Sample Locations

Matador Production Company
Weinberger Fed Com #135 Well Pad
Incident Number: nAPP2430259679
Unit L, Section 30, T 24S, R 36E
Lea County, New Mexico

FIGURE 2



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Confirmation Soil Sample Locations

Matador Production Company
Weinberger Fed Com #135 Well Pad
Incident Number: nAPP2430259679
Unit L, Section 30, T 24S, R 36E
Lea County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Weinberger Federal Com #135 Well Pad
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	10/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	116.0	<20.0	**116**	<20.0
SS01A	11/13/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS02	10/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	143.0	<20.0	**143**	23.1
SS02A	11/13/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS03	10/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	128.0	<20.0	**128**	<20.0
SS03A	11/13/2024	0	<0.0250	<0.0500	<20.0	31.6	<50.0	31.6	31.6	<20.0
SS04	10/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	80.8	<20.0	80.8	<20.0
SS05	10/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	51.6	<20.0	51.6	<20.0
SS06	10/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	138.0	<20.0	**138**	<20.0
SS06A	11/13/2024	0	<0.0250	<0.0500	<20.0	35.0	<50.0	35.0	35.0	<20.0
SS07	10/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	457.0	<20.0	**457**	84.4
SS07A	11/13/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	29.7
SS08	10/30/2024	0	<0.0250	<0.0500	<20.0	32.3	87.7	32.3	**120**	115
SS08B	11/13/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	289
BH01	11/4/2024	0	<0.0250	<0.0500	<20.0	3,360	74.5	**3,360**	**3,435**	**1,210**
PH01	11/13/2024	2	<0.0250	<0.0500	<20.0	1,680	<50.0	**1,680**	**1,680**	164
PH01	11/13/2024	3	<0.0250	<0.0500	<20.0	50	<50.0	50	50	<20.0
BH02	11/4/2024	0	<0.0250	0.296	<20.0	6,280	119	**6,280**	**6,399**	540
BH02	11/4/2024	2	2.71	12.1	169	16,300	257	**16,300**	**16,726**	1,330
PH02	11/13/2024	3	<0.0250	<0.0500	<20.0	251	<50.0	251	**251**	25
PH02	11/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Weinberger Federal Com #135 Well Pad
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
BH03	11/4/2024	0	0.107	0.134	<20.0	43.0	<50.0	43.0	43.0	25.5
BH03	11/4/2024	2	<0.0250	<0.0500	<20.0	268	<50.0	268	**268**	33.3
PH03	11/13/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<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

"<": 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.*

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Weinberger Federal Com #135 Well Pad
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Soil Samples										
FS01	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS02	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS03	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS04	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS05	12/11/2024	3	<0.0250	<0.0500	<20.0	33.9	<50.0	33.9	<50.0	<20.0
FS06	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS07	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS08	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS10	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS11	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS12	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS13	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS14	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS15	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS16	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS17	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS18	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS19	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS20	12/13/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.2
FS21	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS22	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS23	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS24	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS25	12/13/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS26	12/12/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.0
FS27	12/13/2024	4	<0.0250	<0.0500	<20.0	27.2	<50.0	27.2	27.2	<20.0
FS28	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS29	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS30	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.5
FS31	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Weinberger Federal Com #135 Well Pad
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS32	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS33	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.8
FS34	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS35	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS36	12/13/2024	4	<0.0250	<0.0500	<20.0	35.1	<50.0	35.1	35.1	<20.0
FS37	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.7
FS38	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS39	12/13/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
FS41	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.5
FS42	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.3
FS43	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS44	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS45	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS46	12/16/2024	4	<0.0250	<0.0500	<20.0	95.5	<50.0	95.5	95.5	39.9
FS47	12/16/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.2
FS48	12/16/2024	3	<0.0250	<0.0500	<20.0	35.1	<50.0	35.1	35.1	46.7
FS49	12/16/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS50	12/16/2024	3	<0.0250	<0.0500	<20.0	48.9	<50.0	48.9	48.9	28.5
FS51	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.1
FS52	12/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.6

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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

ENSOLUM

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
Weinberger Federal Com #135 Well Pad
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Sidewall Soil Samples										
SW01	12/13/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	12/13/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW03	12/13/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW04	12/13/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW05	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW07	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.3
SW08	12/17/2024	0-4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW09	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW10	12/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.0

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.*

ENSOLUM

APPENDIX A

Well Log and Record

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD-1	n/a	CP-1919

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Ameredev Operating, LLC	737-300-4700

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
2901 Via Fortuna Suite 600	Austin	TX	78746

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	10	8.46	N
	LONGITUDE	103	18	40.42	W

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

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

NW L4 Sec.31 T24S R36S NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
9/20/22	9/20/2022	temporary well material	±101	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DATE STATIC MEASURED: 9/26/2022

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	101	±6.25"	Boring-HSA	--	--	--	--

OSE DII SEP 30 2022 PM1:27

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-1919	POD NO. 1	TRN NO. 733737	
LOCATION 24S. 36E. 31 133		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	7	7	Caliche, with sand, White / Brown	Y ✓ N	
7	30	23	Sand, very fine-grained, poorly graded, with caliche, White	Y ✓ N	
30	101	71	Sand, fine-grained, poorly graded, slight cemented layers, Tan	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.
DTW-01

OSE DII SEP 30 2022 PM1:27

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

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 9/29/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-1919	POD NO. 1	TRN NO. 733737	
LOCATION 24S. 36E. 31 133		WELL TAG ID NO.	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 733737
File Nbr: CP 01919
Well File Nbr: CP 01919 POD1

Oct. 04, 2022

ANDREW PARKER
AMEREDEV OPERATING, LLC
2901 VIA FORTUNA SUITE 600
AUSTIN, TX 78746

Greetings:

The above numbered permit was issued in your name on 09/12/2022.

The Well Record was received in this office on 09/30/2022, stating that it had been completed on 09/20/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/12/2023.

If you have any questions, please feel free to contact us.

Sincerely,

Vanessa Clements
(575)622-6521

drywell

ENSOLUM

APPENDIX B

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 11/4/2024
	Site Name: Weinberger Fed Com #135	
	Incident Number: nAPP2430259679	
	Job Number: 03A2270062	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.188286, -103.309937	Hole Diameter: 6"	Total Depth: 0.5'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0	SM	Moist, Staining, Dark Brown Sand, Plasticity, Pliable
D				BH01	0.5	0.5	CCHE	Dry, No Staining, Caliche, Non Plastic, Non Pliable

Total Depth - 0.5'

ENSOLUM

	Sample Name: BH02	Date: 11/4/2024
	Site Name: Weinberger Fed Com #135	
	Incident Number: nAPP2430259679	
	Job Number: 03A2270062	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.188061, -103.310123	Hole Diameter: 6"	Total Depth: 2'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH02	0	0	SM	Moist, Staining, Dark Brown Sand, Plasticity, Pliable
M		19.3	Y	BH02	1	1		
D		180.2	N	BH02	2	2	CCHE	Dry, No Staining, Caliche, Non Plastic, Non Pliable

Total Depth - 2'

ENSOLUM

	Sample Name: BH03	Date: 11/4/24
	Site Name: Weinberger Fed Com #135	
	Incident Number: nAPP2430259679	
	Job Number: 03A2270062	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.187866, -103.310231	Hole Diameter: 6"	Total Depth: 2'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH03	0	0	SM	Moist, Staining, Dark Brown Sand, Plasticity, Pliable
M		4.5	Y	BH03	1	1		
D		8.2	N	BH03	2	2	CCHE	Dry, No Staining, Caliche, Non Plastic, Non Pliable

Total Depth - 2'

ENSOLUM	Sample Name: PH01	Date: 11/13/2024
	Site Name: Weinberger Fed Com 135	
	Incident Number: nAPP2430259679	
	Job Number: 03A2270062	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Backhoe
Coordinates: 32.1882859, -103.3099372	Hole Diameter: 3' (Feet)	Total Depth: 5'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y			0		
D	ND	>1,250	N	PH01	1	1	SM	Clayey sand, dark bown, med plasticity, mild hydrocarbon odor.
D	ND	1,067	N	PH01	2	2		
D	ND	60	N	PH01	3	3	CCHE	Caliche rock, white, no odor.
D	ND	10	N	PH01	4	4		
D	ND	12	N	PH01	5	5		

TOTAL DEPTH = 5' BGS

ENSOLUM	Sample Name: PH02	Date: 11/13/2024
	Site Name: Weinberger Fed Com 135	
	Incident Number: nAPP2430259679	
	Job Number: 03A2270062	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Backhoe
Coordinates: 32.1880612, -103.3101225	Hole Diameter: 3' (Feet)	Total Depth: 4'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y			0		
D			N			1	SM	Clayey sand, dark bown, med plasticity, mild hydrocarbon odor.
D			N			2		
D	ND	150	N	PH02	3'	3	CCHE	Caliche rock, white, no odor.
D	ND	9	N	PH02	4'	4		

TOTAL DEPTH = 4' BGS

ENSOLUM

	Sample Name: PH03	Date: 11/13/2024
	Site Name: Weinberger Fed Com 135	
	Incident Number: nAPP2430259679	
	Job Number: 03A2270062	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Backhoe
Coordinates: 32.1878658, -103.3102306	Hole Diameter: 3' (Feet)	Total Depth: 4'

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

Moisture Content	Chloride (ppm)	TPH(ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y			0		
D			N			1	SM	Clayey sand, dark bown, med plasticity, mild hydrocarbon odor.
D			N			2		
D	ND	6	N	PH03	3	3	CCHE	Caliche rock, white, no odor.
D	ND	6	N	PH03	4	4		

TOTAL DEPTH = 4' BGS

ENSOLUM

APPENDIX C

Photographic Log

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 1 Date:10/30/2024
Description: Delineation Soil Sampling SS01
View: North

Photograph 2 Date:10/30/2024
Description: Delineation Soil Sampling SS02
View: East

Photograph 3 Date:10/30/2024
Description: Delineation Soil Sampling SS03
View: Southeast

Photograph 4 Date:10/30/2024
Description: Delineation Soil Sampling SS04
View: Southwest

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 5 Date:10/30/2024
Description: Delineation Soil Sampling SS05
View: Northeast

Photograph 6 Date:10/30/2024
Description: Delineation Soil Sampling SS06
View: North

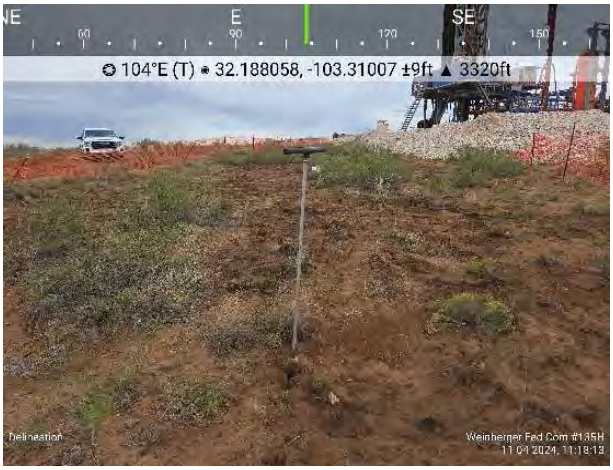
Photograph 7 Date:10/30/2024
Description: Delineation Soil Sampling SS07
View: North

Photograph 8 Date:10/30/2024
Description: Delineation Soil Sampling SS08
View: West

ENSOLUM

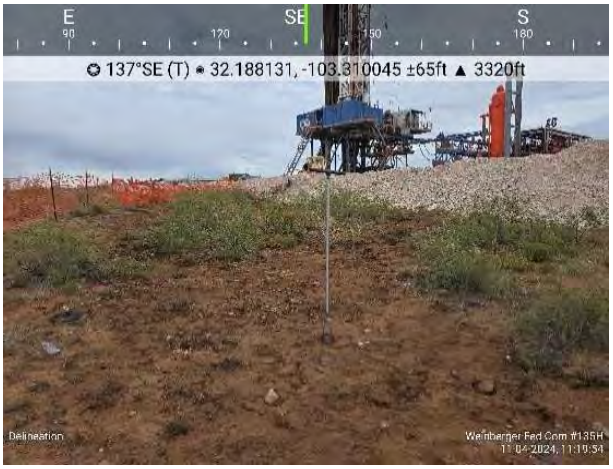
Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 9 Date:11/04/2024
Description: Signage
View: South



Photograph 10 Date:11/04/2024
Description: Delineation
View: East

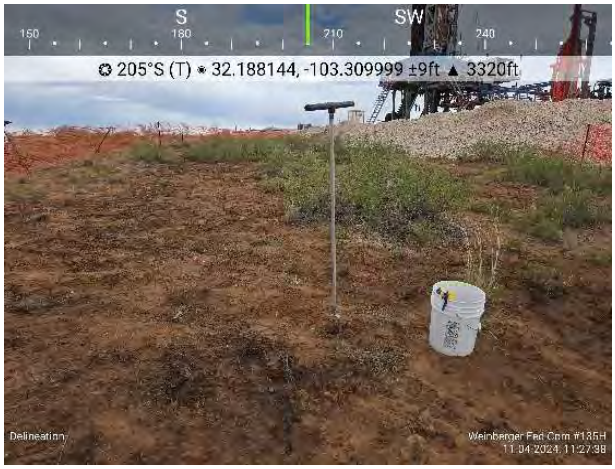
Photograph 11 Date:11/04/2024
Description: Delineation
View: Southeast



Photograph 12 Date:11/04/2024
Description: Delineation
View: Southeast

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679



Photograph 13 Date:11/04/2024
Description: Delineation
View: Southwest

Photograph 14 Date:11/04/2024
Description: Delineation
View: Southeast

Photograph 15 Date:11/04/2024
Description: Delineation
View: Southeast

Photograph 16 Date:11/04/2024
Description: Delineation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 17 Date:11/13/2024
Description: PH01
View: Southwest

Photograph 18 Date:11/13/2024
Description: PH01
View: Southwest

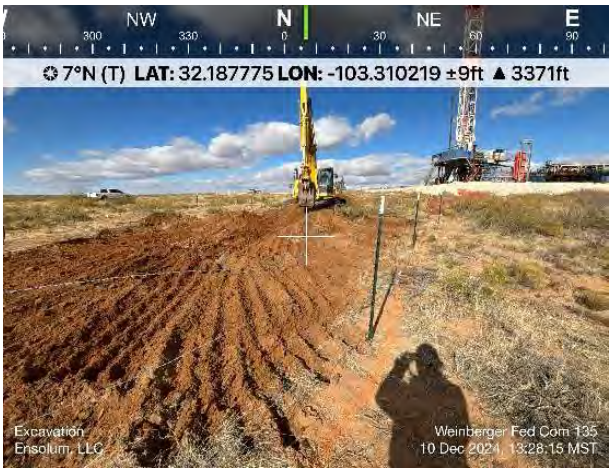
Photograph 19 Date:11/13/2024
Description: PH02
View: East

Photograph 20 Date:11/13/2024
Description: PH03
View: North

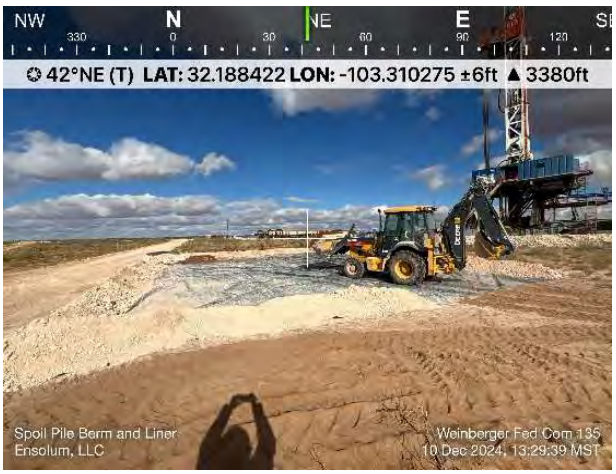
ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 21 Date:12/10/2024
Description: Excavation
View: Northeast



Photograph 22 Date:12/10/2024
Description: Excavation
View: North



Photograph 23 Date:12/10/2024
Description: Excavation
View: Northeast

Photograph 24 Date:12/10/2024
Description: Excavation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 25 Date:12/11/2024
Description: Excavation
View: Southeast

Photograph 26 Date:12/11/2024
Description: Excavation
View: North

Photograph 27 Date:12/11/2024
Description: Excavation
View: Northeast

Photograph 28 Date:12/11/2024
Description: Excavation
View: Southeast

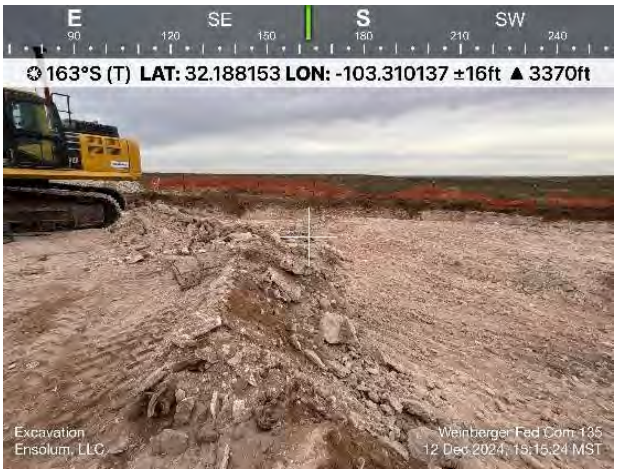
ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 29 Date:12/12/2024
Description: Excavation
View: Northeast

Photograph 30 Date:12/12/2024
Description: Excavation
View: South

Photograph 31 Date:12/12/2024
Description: Excavation
View: South



Photograph 32 Date:12/12/2024
Description: Excavation
View: South

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 33 Date:12/13/2024
Description: Excavation
View: Northeast

Photograph 34 Date:12/13/2024
Description: Excavation
View: East

Photograph 35 Date:12/13/2024
Description: Excavation
View: East

Photograph 36 Date:12/13/2024
Description: Excavation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 37 Date:12/16/2024
Description: Excavation
View: South

Photograph 38 Date:12/16/2024
Description: Excavation
View: East

Photograph 39 Date:12/16/2024
Description: Excavation
View: North

Photograph 40 Date:12/16/2024
Description: Excavation
View: Northwest

ENSOLUM

Photographic Log
Matador Production Company
Weinberger Federal Com #135 Well Pad
nAPP2430259679

Photograph 40 Date:12/17/2024
Description: Excavation
View: East

Photograph 41 Date:12/17/2024
Description: Excavation
View: Northeast

Photograph 42 Date:12/17/2024
Description: Excavation
View: Northeast

Photograph 43 Date:12/17/2024
Description: Excavation
View: North

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Weinberger Fed Com #135 Well Pad
Work Order:	E410393
Job Number:	23003-0002
Received:	11/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/6/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/6/24

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

Project Name: Weinberger Fed Com #135 Well Pad
Workorder: E410393
Date Received: 11/1/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/1/2024 7:00:00AM, under the Project Name: Weinberger Fed Com #135 Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135 Well Pad apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/24 14:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E410393-01A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.
SS02-0'	E410393-02A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.
SS03-0'	E410393-03A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.
SS04-0'	E410393-04A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.
SS05-0'	E410393-05A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.
SS06-0'	E410393-06A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.
SS07-0'	E410393-07A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.
SS08-0'	E410393-08A	Soil	10/30/24	11/01/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS01-0'

E410393-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**116**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	ND	40.0	2	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS02-0'

E410393-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**143**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	**23.1**	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS03-0'

E410393-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**128**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	ND	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS04-0'

E410393-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**80.8**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	ND	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS05-0'

E410393-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**51.6**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	ND	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS06-0'

E410393-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**138**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	ND	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS07-0'

E410393-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**457**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	**84.4**	20.0	1	11/04/24	11/04/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

SS08-0'

E410393-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Benzene	ND	0.0250	1	11/01/24	11/04/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/04/24	
Toluene	ND	0.0250	1	11/01/24	11/04/24	
o-Xylene	ND	0.0250	1	11/01/24	11/04/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/04/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/04/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2444151
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*11/01/24*	*11/04/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2444148
Diesel Range Organics (C10-C28)	**32.3**	25.0	1	11/01/24	11/02/24	
Oil Range Organics (C28-C36)	**87.7**	50.0	1	11/01/24	11/02/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/01/24*	*11/02/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2445003
Chloride	**115**	20.0	1	11/04/24	11/04/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2444151-BLK1)									Prepared: 11/01/24 Analyzed: 11/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.2*	*70-130*			
LCS (2444151-BS1)									Prepared: 11/01/24 Analyzed: 11/04/24
Benzene	4.93	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.8	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
LCS Dup (2444151-BSD1)									Prepared: 11/01/24 Analyzed: 11/04/24
Benzene	5.04	0.0250	5.00		101	70-130	2.09	20	
Ethylbenzene	5.06	0.0250	5.00		101	70-130	2.30	20	
Toluene	5.10	0.0250	5.00		102	70-130	2.08	20	
o-Xylene	5.05	0.0250	5.00		101	70-130	2.16	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	2.35	20	
Total Xylenes	15.4	0.0250	15.0		102	70-130	2.28	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.81*		*8.00*		*97.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2444151-BLK1)									Prepared: 11/01/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.04*		*8.00*		*88.0*	*70-130*			
LCS (2444151-BS2)									Prepared: 11/01/24 Analyzed: 11/05/24
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
LCS Dup (2444151-BSD2)									Prepared: 11/01/24 Analyzed: 11/04/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.7	70-130	3.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2444148-BLK1)									Prepared: 11/01/24 Analyzed: 11/02/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
LCS (2444148-BS1)									Prepared: 11/01/24 Analyzed: 11/02/24
Diesel Range Organics (C10-C28)	253	25.0	250		101	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
LCS Dup (2444148-BSD1)									Prepared: 11/01/24 Analyzed: 11/02/24
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132	3.72	20	
Surrogate: n-Nonane	*53.2*		*50.0*		*106*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2024 2:18:14PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2445003-BLK1)									Prepared: 11/04/24 Analyzed: 11/04/24
Chloride	ND	20.0							
LCS (2445003-BS1)									Prepared: 11/04/24 Analyzed: 11/04/24
Chloride	258	20.0	250		103	90-110			
LCS Dup (2445003-BSD1)									Prepared: 11/04/24 Analyzed: 11/04/24
Chloride	257	20.0	250		103	90-110	0.117	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:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/24 14:18

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410393	1D 2D 3D Std	NM CO UT TX
Project: Weinberger Fed Com #135 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1005	10/30/24	S	1 jar	SS01-01'		1						X			
1006		S		SS02-01'		2						X			
1010		S		SS03-01'		3						X			
1012		S		SS04-01'		4						X			
1013		S		SS05-01'		5						X			
1015		S		SS06-01'		6						X			
1017		S		SS07-01'		7						X			
1042		S		SS08-01'		8						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, [redacted], chamilton@ensolum.com, iestrella@ensolum.com, [redacted], bsimmons@ensolum.com, jgonzales@ensolum.com, oaderinto@ensolum.com

Preserved on ice

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

Sampled By: Ashley Giovengo

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/30/24	1359	Michelle Gonzales	10.31.24	1107
Michelle Gonzales	10.31.24	1615		10.31.24	1700
	10.31.24	2400		11.1.24	7:00
	Date	Time		Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 11/1/2024 9:29:03AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/01/24 07:00	Work Order ID:	E410393
Phone:	(972) 371-5200	Date Logged In:	10/31/24 16:06	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/07/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

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:	Weinberger Fed Com #135H Well Pad
Work Order:	E411043
Job Number:	23003-0002
Received:	11/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/14/24

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: 11/14/24

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

Project Name: Weinberger Fed Com #135H Well Pad
Workorder: E411043
Date Received: 11/6/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2024 7:30:00AM, under the Project Name: Weinberger Fed Com #135H Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135H Well Pad 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:

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/24 17:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E411043-01A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH02-0'	E411043-02A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH02-2'	E411043-03A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03-0'	E411043-04A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
BH03-2'	E411043-05A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

BH01-0'

E411043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Benzene	ND	0.0250	1	11/06/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/06/24	
Toluene	ND	0.0250	1	11/06/24	11/06/24	
o-Xylene	ND	0.0250	1	11/06/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2445058
Diesel Range Organics (C10-C28)	**3360**	25.0	1	11/06/24	11/06/24	
Oil Range Organics (C28-C36)	**74.5**	50.0	1	11/06/24	11/06/24	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*11/06/24*	*11/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445061
Chloride	**1210**	20.0	1	11/06/24	11/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

BH02-0'

E411043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Benzene	ND	0.0250	1	11/06/24	11/06/24	
Ethylbenzene	**0.102**	0.0250	1	11/06/24	11/06/24	
Toluene	ND	0.0250	1	11/06/24	11/06/24	
o-Xylene	**0.129**	0.0250	1	11/06/24	11/06/24	
p,m-Xylene	**0.0645**	0.0500	1	11/06/24	11/06/24	
Total Xylenes	**0.194**	0.0250	1	11/06/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2445058
Diesel Range Organics (C10-C28)	**6280**	25.0	1	11/06/24	11/06/24	
Oil Range Organics (C28-C36)	**119**	50.0	1	11/06/24	11/06/24	
Surrogate: n-Nonane		*94.2 %*	*50-200*	*11/06/24*	*11/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445061
Chloride	**540**	20.0	1	11/06/24	11/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

BH02-2'

E411043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Benzene	**0.0482**	0.0250	1	11/06/24	11/06/24	
Ethylbenzene	**2.66**	0.0250	1	11/06/24	11/06/24	
Toluene	**1.59**	0.0250	1	11/06/24	11/06/24	
o-Xylene	**3.55**	0.0250	1	11/06/24	11/06/24	
p,m-Xylene	**5.81**	0.0500	1	11/06/24	11/06/24	
Total Xylenes	**9.35**	0.0250	1	11/06/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Gasoline Range Organics (C6-C10)	**169**	20.0	1	11/06/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2445058
Diesel Range Organics (C10-C28)	**16300**	50.0	2	11/06/24	11/13/24	
Oil Range Organics (C28-C36)	**257**	100	2	11/06/24	11/13/24	
Surrogate: n-Nonane		*144 %*	*50-200*	*11/06/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445061
Chloride	**1330**	20.0	1	11/06/24	11/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

BH03-0'

E411043-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Benzene	ND	0.0250	1	11/06/24	11/06/24	
Ethylbenzene	**0.107**	0.0250	1	11/06/24	11/06/24	
Toluene	**0.0270**	0.0250	1	11/06/24	11/06/24	
o-Xylene	ND	0.0250	1	11/06/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2445058
Diesel Range Organics (C10-C28)	**43.0**	25.0	1	11/06/24	11/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/13/24	
Surrogate: n-Nonane		*85.2 %*	*50-200*	*11/06/24*	*11/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445061
Chloride	**25.5**	20.0	1	11/06/24	11/06/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

BH03-2'

E411043-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Benzene	ND	0.0250	1	11/06/24	11/06/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/06/24	
Toluene	ND	0.0250	1	11/06/24	11/06/24	
o-Xylene	ND	0.0250	1	11/06/24	11/06/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/06/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/06/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2445057
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*11/06/24*	*11/06/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2445058
Diesel Range Organics (C10-C28)	**268**	25.0	1	11/06/24	11/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/06/24	
Surrogate: n-Nonane		*84.0 %*	*50-200*	*11/06/24*	*11/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445061
Chloride	**33.3**	20.0	1	11/06/24	11/06/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2445057-BLK1)									Prepared: 11/06/24 Analyzed: 11/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2445057-BS1)									Prepared: 11/06/24 Analyzed: 11/06/24
Benzene	4.32	0.0250	5.00		86.3	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.64	0.0250	5.00		92.8	70-130			
p,m-Xylene	9.38	0.0500	10.0		93.8	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.18*		*8.00*		*89.7*	*70-130*			
LCS Dup (2445057-BSD1)									Prepared: 11/06/24 Analyzed: 11/06/24
Benzene	4.42	0.0250	5.00		88.4	70-130	2.38	20	
Ethylbenzene	4.78	0.0250	5.00		95.5	70-130	3.54	20	
Toluene	4.71	0.0250	5.00		94.2	70-130	3.06	20	
o-Xylene	4.79	0.0250	5.00		95.9	70-130	3.27	20	
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130	3.60	20	
Total Xylenes	14.5	0.0250	15.0		96.8	70-130	3.49	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2445057-BLK1)									Prepared: 11/06/24 Analyzed: 11/06/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
LCS (2445057-BS2)									Prepared: 11/06/24 Analyzed: 11/06/24
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.8*	*70-130*			
LCS Dup (2445057-BSD2)									Prepared: 11/06/24 Analyzed: 11/06/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.1	70-130	1.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2445058-BLK1)									Prepared: 11/06/24 Analyzed: 11/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.5*		*50.0*		*89.0*	*50-200*			
LCS (2445058-BS1)									Prepared: 11/06/24 Analyzed: 11/06/24
Diesel Range Organics (C10-C28)	232	25.0	250		92.8	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*50-200*			
LCS Dup (2445058-BSD1)									Prepared: 11/06/24 Analyzed: 11/06/24
Diesel Range Organics (C10-C28)	245	25.0	250		97.8	38-132	5.28	20	
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135H Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2024 5:12:09PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2445061-BLK1)									Prepared: 11/06/24 Analyzed: 11/06/24
Chloride	ND	20.0							
LCS (2445061-BS1)									Prepared: 11/06/24 Analyzed: 11/06/24
Chloride	252	20.0	250		101	90-110			
LCS Dup (2445061-BSD1)									Prepared: 11/06/24 Analyzed: 11/06/24
Chloride	250	20.0	250		100	90-110	1.01	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:	Weinberger Fed Com #135H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/24 17:12

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E411043	1D 2D 3D Std	NM CO UT TX
Project: Weinberger Fed Com #135H Well Pad	Address: 3122 National Parks Hwy	Job Number 23005.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
10:34	11/4/2024	S	1	BH01 - 0'		1						X			
11:29	11/4/2024	S	1	BH02 - 0'		2						X			
11:37	11/4/2024	S	1	BH02 - 2'		3						X			
11:40	11/4/2024	S	1	BH03 - 0'		4						X			
11:46	11/4/2024	S	1	BH03 - 2'		5						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Held on Ice. Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com

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

Sampled by: Bowan Simmons

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/5/24	1105	Michelle Gonzales	11-5-24	1105
Michelle Gonzales	11-5-24	1615	[signature]	11.5.24	1730
[signature]	11.5.24	2345	[signature]	11.6.24	7:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 11/6/2024 9:40:38AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/06/24 07:30	Work Order ID:	E411043
Phone:	(972) 371-5200	Date Logged In:	11/05/24 14:56	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/14/24 17:00 (6 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Weinberger Fed Com #135 Well Pad
Work Order:	E411155
Job Number:	23003-0002
Received:	11/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/20/24

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

Date Reported: 11/20/24

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

Project Name: Weinberger Fed Com #135 Well Pad
Workorder: E411155
Date Received: 11/15/2024 6:30:37AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/15/2024 6:30:37AM, under the Project Name: Weinberger Fed Com #135 Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135 Well Pad 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
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/24 15:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 @ 2'	E411155-01A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
PH01 @ 3'	E411155-02A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
PH01 @ 4'	E411155-03A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
PH02 @ 3'	E411155-04A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
PH02 @ 4'	E411155-05A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
PH03 @ 3'	E411155-06A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
PH03 @ 4'	E411155-07A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SS01A @ 0'	E411155-08A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SS02A @ 0'	E411155-09A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SS03A @ 0'	E411155-10A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SS06A @ 0'	E411155-11A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SS07A @ 0'	E411155-12A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
SS08B @ 0'	E411155-13A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

PH01 @ 2'

E411155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	**1680**	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	**164**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

PH01 @ 3'

E411155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	**50.0**	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

PH02 @ 3'

E411155-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	**251**	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	**24.9**	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

PH02 @ 4'

E411155-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

PH03 @ 3'

E411155-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

SS01A @ 0'

E411155-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

SS02A @ 0'

E411155-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

SS03A @ 0'

E411155-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	**31.6**	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	ND	20.0	1	11/19/24	11/19/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

SS06A @ 0'

E411155-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	**35.0**	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	ND	20.0	1	11/19/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

SS07A @ 0'

E411155-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	**29.7**	20.0	1	11/19/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

SS08B @ 0'

E411155-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Benzene	ND	0.0250	1	11/15/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/15/24	11/19/24	
Toluene	ND	0.0250	1	11/15/24	11/19/24	
o-Xylene	ND	0.0250	1	11/15/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/15/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/15/24	11/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2446144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/15/24	11/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*11/15/24*	*11/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2446161
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/16/24	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*11/15/24*	*11/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447029
Chloride	**289**	20.0	1	11/19/24	11/20/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446144-BLK1)									Prepared: 11/15/24 Analyzed: 11/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.82*		*8.00*		*85.3*	*70-130*			
LCS (2446144-BS1)									Prepared: 11/15/24 Analyzed: 11/19/24
Benzene	5.41	0.0250	5.00		108	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.14	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.88*		*8.00*		*86.0*	*70-130*			
LCS Dup (2446144-BSD1)									Prepared: 11/15/24 Analyzed: 11/19/24
Benzene	5.31	0.0250	5.00		106	70-130	1.89	20	
Ethylbenzene	5.08	0.0250	5.00		102	70-130	1.35	20	
Toluene	5.21	0.0250	5.00		104	70-130	1.71	20	
o-Xylene	5.07	0.0250	5.00		101	70-130	1.46	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	1.29	20	
Total Xylenes	15.4	0.0250	15.0		102	70-130	1.35	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.84*		*8.00*		*85.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446144-BLK1)									Prepared: 11/15/24 Analyzed: 11/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
LCS (2446144-BS2)									Prepared: 11/15/24 Analyzed: 11/19/24
Gasoline Range Organics (C6-C10)	36.3	20.0	50.0		72.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.7*	*70-130*			
LCS Dup (2446144-BSD2)									Prepared: 11/15/24 Analyzed: 11/19/24
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.4	70-130	12.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2446161-BLK1)									Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			
LCS (2446161-BS1)									Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
Matrix Spike (2446161-MS1)				**Source: E411155-10**					Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	321	25.0	250	31.6	116	38-132			
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			
Matrix Spike Dup (2446161-MSD1)				**Source: E411155-10**					Prepared: 11/15/24 Analyzed: 11/16/24
Diesel Range Organics (C10-C28)	324	25.0	250	31.6	117	38-132	0.888	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/2024 3:18:39PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447029-BLK1)									Prepared: 11/19/24 Analyzed: 11/19/24
Chloride	ND	20.0							
LCS (2447029-BS1)									Prepared: 11/19/24 Analyzed: 11/19/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2447029-BSD1)									Prepared: 11/19/24 Analyzed: 11/19/24
Chloride	253	20.0	250		101	90-110	0.155	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:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/20/24 15:18

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411155	1D 2D 3D Std	NM CO UT TX
Project: Weinberger Federal Com #135 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
9:04	11/13/2024	S	1	PH01 @ 2'		1						X						
9:08	11/13/2024	S	1	PH01 @ 3'		2						X						
9:10	11/13/2024	S	1	PH01@ 4'		3						X						Do not run BGDOC unless PH01 3' is >100 TPH or 600CL
10:15	11/13/2024	S	1	PH02 @ 3'		4						X						
10:17	11/13/2024	S	1	PH02 @ 4'		5						X						Do not run BGDOC unless PH02 3' is >100 TPH or 600CL
11:09	11/13/2024	S	1	PH03 @ 3'		6						X						
11:11	11/13/2024	S	1	PH03 @ 4'		7						X						Do not run BGDOC unless PH03 3' is >100 TPH or 600CL
8:25	11/13/2024	S	1	SS01A @ 0'		8						X						
8:19	11/13/2024	S	1	SS02A @ 0'		9						X						
8:17	11/13/2024	S	1	SS03A @ 0'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-14-24	9:40	Michelle Gonzales	11-14-24	0940
Michelle Gonzales	11-14-24	1600		11.14.24	1700
	11.14.24	2345		11.15.24	6:30

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411155	Job Number 23003.0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Federal Com #135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
8:38	11/13/2024	S	1	SS06A @ 0'		11						X						
8:40	11/13/2024	S	1	SS07A @ 0'		12						X						
13:45	11/13/2024	S	1	SS08B @ 0'		13						X						
	11/13/2024	S	1															
	11/13/2024	S	1															
	11/13/2024	S	1															
	11/13/2024	S	1															
	11/13/2024	S	1															
	11/13/2024	S	1															
	11/13/2024	S	1															

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-14-24	9:40	Michelle Gonzales	11-14-24	0940
Michelle Gonzales	11-14-24	1600		11.14.24	1700
	11.14.24	2345		11.15.24	6:30

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 11/15/2024 9:01:25AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/15/24 06:30	Work Order ID:	E411155
Phone:	(972) 371-5200	Date Logged In:	11/14/24 14:39	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/21/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Comments/Resolution

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Sample #3- Do not run BGDOC unless PH01 3 is > 100TPH or 600CL.
Sample #5- Do not run BGDOC unless PH02 3 is >100TPH or 600 CL.
Sample #7- Do not run BGDOC unless PH03 3 is> 100TPH or 600CL.

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Weinberger Fed Com #135 Well Pad
Work Order:	E412104
Job Number:	20046-0001
Received:	12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/17/24

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

Date Reported: 12/17/24

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

Project Name: Weinberger Fed Com #135 Well Pad
Workorder: E412104
Date Received: 12/13/2024 8:00:04AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Weinberger Fed Com #135 Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135 Well Pad apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Michelle Gonzales
Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/24 09:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 @ 3'	E412104-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS02 @ 3'	E412104-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS03 @ 3'	E412104-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS04 @ 3'	E412104-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS05 @ 3'	E412104-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS06 @ 3'	E412104-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS07 @ 3'	E412104-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS08 @ 3'	E412104-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS01 @ 3'

E412104-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*12/13/24*	*12/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS02 @ 3'

E412104-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS03 @ 3'

E412104-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS04 @ 3'

E412104-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS05 @ 3'

E412104-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	**33.9**	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS06 @ 3'

E412104-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS07 @ 3'

E412104-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

FS08 @ 3'

E412104-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*12/13/24*	*12/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2450131
Chloride	ND	20.0	1	12/13/24	12/14/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450127-BLK1)									Prepared: 12/13/24 Analyzed: 12/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.70*		*8.00*		*83.7*	*70-130*			
LCS (2450127-BS1)									Prepared: 12/13/24 Analyzed: 12/14/24
Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.76	0.0250	5.00		95.2	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.0	0.0250	15.0		93.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.80*		*8.00*		*85.0*	*70-130*			
LCS Dup (2450127-BSD1)									Prepared: 12/13/24 Analyzed: 12/14/24
Benzene	4.91	0.0250	5.00		98.2	70-130	1.17	20	
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130	1.37	20	
Toluene	4.81	0.0250	5.00		96.3	70-130	1.17	20	
o-Xylene	4.68	0.0250	5.00		93.6	70-130	1.23	20	
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130	1.31	20	
Total Xylenes	14.2	0.0250	15.0		94.8	70-130	1.28	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.81*		*8.00*		*85.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450127-BLK1)									Prepared: 12/13/24 Analyzed: 12/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
LCS (2450127-BS2)									Prepared: 12/13/24 Analyzed: 12/14/24
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
LCS Dup (2450127-BSD2)									Prepared: 12/13/24 Analyzed: 12/14/24
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.5	70-130	2.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450134-BLK1)									Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2450134-BS1)									Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*50-200*			
Matrix Spike (2450134-MS1)				**Source: E412104-03**					Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*50-200*			
Matrix Spike Dup (2450134-MSD1)				**Source: E412104-03**					Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	0.150	20	
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/2024 9:25:53AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450131-BLK1)									Prepared: 12/13/24 Analyzed: 12/13/24
Chloride	ND	20.0							
LCS (2450131-BS1)									Prepared: 12/13/24 Analyzed: 12/13/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2450131-BSD1)									Prepared: 12/13/24 Analyzed: 12/14/24
Chloride	257	20.0	250		103	90-110	0.316	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:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/17/24 09:25

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.

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E412104	1D 2D 3D Std	NM CO UT TX
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy	Job Number 23013-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				EPA Program: SDWA / CWA / RCRA
12:32	12/11/2024	S	1	FS01 @ 3'		1						X						
12:35	12/11/2024	S	1	FS02 @ 3'		2						X						
12:37	12/11/2024	S	1	FS03 @ 3'		3						X						
12:40	12/11/2024	S	1	FS04 @3'		4						X						
12:42	12/11/2024	S	1	FS05 @ 3'		5						X						
13:10	12/11/2024	S	1	FS06 @ 3'		6						X						
13:12	12/11/2024	S	1	FS07 @ 3'		7						X						
13:15	12/11/2024	S	1	FS08 @ 3'		8						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-12-24	0800	Michelle Gonzales	12.12.24	0800
Michelle Gonzales	12-12-24	[redacted]		12.12.24	1613
	12.12.24	2246		12.13.24	800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 12/13/2024 11:06:26AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	12/13/24 08:00	Work Order ID:	E412104
Phone:	(972) 371-5200	Date Logged In:	12/12/24 15:52	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

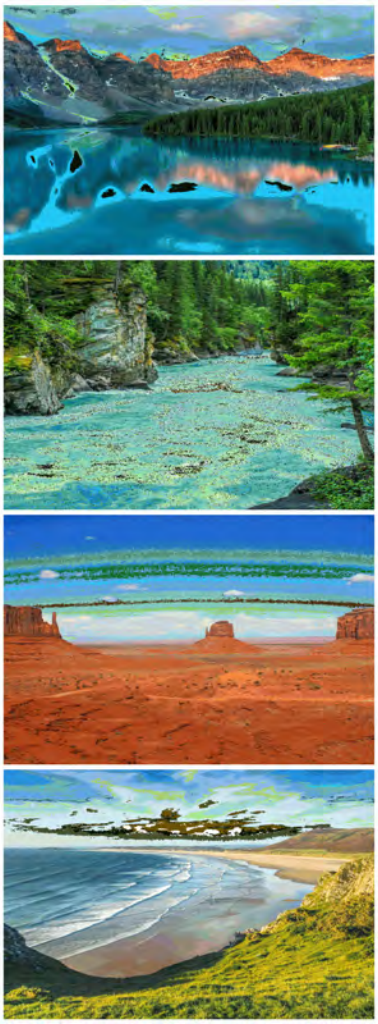
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Weinberger Fed Com #135 Well Pad
Work Order:	E412120
Job Number:	23003-0002
Received:	12/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/19/24

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

Date Reported: 12/19/24

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

Project Name: Weinberger Fed Com #135 Well Pad
Workorder: E412120
Date Received: 12/16/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/16/2024 8:00:00AM, under the Project Name: Weinberger Fed Com #135 Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135 Well Pad apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Table of Contents

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Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/24 13:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 9-3'	E412120-01A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 10-3'	E412120-02A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 11-3'	E412120-03A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 12-3'	E412120-04A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 13-3'	E412120-05A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 14-3'	E412120-06A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 15-3'	E412120-07A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 16-3'	E412120-08A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 17-3'	E412120-09A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 18-3'	E412120-10A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 19-3'	E412120-11A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 21-3'	E412120-12A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 22-3'	E412120-13A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 23-3'	E412120-14A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 24-3'	E412120-15A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
FS 26-4'	E412120-16A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 9-3'

E412120-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 10-3'

E412120-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 11-3'

E412120-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 12-3'

E412120-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 13-3'

E412120-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*12/16/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 14-3'

E412120-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 15-3'

E412120-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 16-3'

E412120-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/16/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 17-3'

E412120-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 18-3'

E412120-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 19-3'

E412120-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 21-3'

E412120-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 22-3'

E412120-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 23-3'

E412120-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 24-3'

E412120-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	ND	20.0	1	12/16/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

FS 26-4'

E412120-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Benzene	ND	0.0250	1	12/16/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/18/24	
Toluene	ND	0.0250	1	12/16/24	12/18/24	
o-Xylene	ND	0.0250	1	12/16/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2451019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*12/16/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/16/24*	*12/17/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451018
Chloride	**41.0**	20.0	1	12/16/24	12/17/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451019-BLK1)									Prepared: 12/16/24 Analyzed: 12/17/24
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	*7.76*		*8.00*		*97.0*	*70-130*			
LCS (2451019-BS1)									Prepared: 12/16/24 Analyzed: 12/17/24
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.2*	*70-130*			
LCS Dup (2451019-BSD1)									Prepared: 12/16/24 Analyzed: 12/17/24
Benzene	5.74	0.0250	5.00		115	70-130	9.70	20	
Ethylbenzene	5.60	0.0250	5.00		112	70-130	9.89	20	
Toluene	5.69	0.0250	5.00		114	70-130	9.73	20	
o-Xylene	5.61	0.0250	5.00		112	70-130	10.1	20	
p,m-Xylene	11.4	0.0500	10.0		114	70-130	9.79	20	
Total Xylenes	17.0	0.0250	15.0		113	70-130	9.88	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451019-BLK1)									Prepared: 12/16/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
LCS (2451019-BS2)									Prepared: 12/16/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			
LCS Dup (2451019-BSD2)									Prepared: 12/16/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130	5.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451014-BLK1)									Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*61.7*		*50.0*		*123*	*50-200*			
LCS (2451014-BS1)									Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	*58.9*		*50.0*		*118*	*50-200*			
Matrix Spike (2451014-MS1)				**Source: E412120-13**					Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	*59.6*		*50.0*		*119*	*50-200*			
Matrix Spike Dup (2451014-MSD1)				**Source: E412120-13**					Prepared: 12/16/24 Analyzed: 12/17/24
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	0.0649	20	
Surrogate: n-Nonane	*59.4*		*50.0*		*119*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/2024 1:59:56PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451018-BLK1)									Prepared: 12/16/24 Analyzed: 12/16/24
Chloride	ND	20.0							
LCS (2451018-BS1)									Prepared: 12/16/24 Analyzed: 12/16/24
Chloride	249	20.0	250		99.8	90-110			
LCS Dup (2451018-BSD1)									Prepared: 12/16/24 Analyzed: 12/16/24
Chloride	250	20.0	250		100	90-110	0.241	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:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/19/24 13:59

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E412120	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1052	12/11/24	Soil	1	FS 9 - 3'		1						X			
1049				10		2						X			
1051				11		3						X			
1046				12		4						X			
1056				13		5						X			
1043				14		6						X			
1045				15		7						X			
1038				16		8						X			
1049				17		9						X			
1043				18		10						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-13-24	0800	Michelle Gonzales	12-13-24	0800
Michelle Gonzales	12-13-24	1600		12.13.24	1630
	12.13.24	2300		12/13/24	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E412120	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			SDWA / CWA / RCRA		
1041	12/12/24	Soil	1	FS 19 - 3'		11						+					Compliance Y or N		
1040				21		12						+					PWSID #		
1036				22		13						+					Remarks		
1035				23		14						+							
1037				24		15						+							
1033				26 - 4'		16						X							

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

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

Sampled by: Higinio Gonzalez and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-13-24	0800	Michelle Gonzales	12.13.24	0800
Michelle Gonzales	12.13.24	1600		12.13.24	1630
	12.13.24	2300		12.16.24	800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 12/16/2024 9:58:19AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	12/16/24 08:00	Work Order ID:	E412120
Phone:	(972) 371-5200	Date Logged In:	12/13/24 16:47	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/20/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

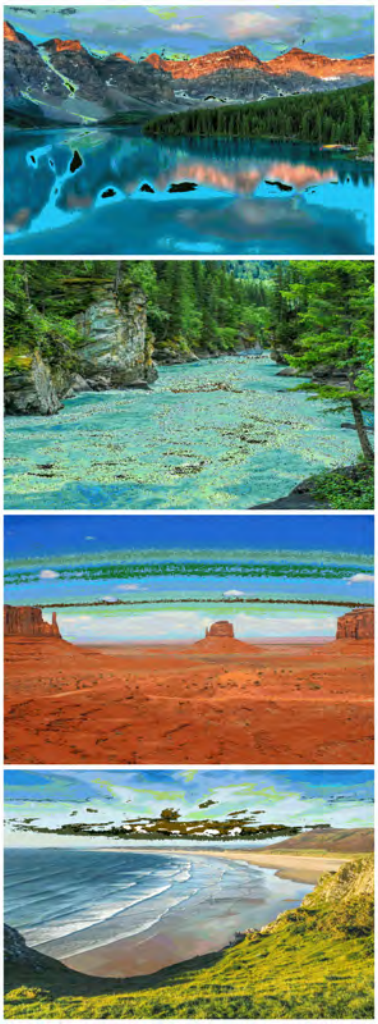
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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:	Weinberger Fed Com #135 Well Pad
Work Order:	E412128
Job Number:	23003-0002
Received:	12/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/20/24

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

Date Reported: 12/20/24

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

Project Name: Weinberger Fed Com #135 Well Pad
Workorder: E412128
Date Received: 12/17/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/17/2024 7:00:00AM, under the Project Name: Weinberger Fed Com #135 Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135 Well Pad apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Lynn Jarboe
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ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 11:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 - 0'-3'	E412128-01A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
SW02 - 0'-3'	E412128-02A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
SW03 - 0'-3'	E412128-03A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
SW04 - 0'-3'	E412128-04A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS20 - 3'	E412128-05A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS25 - 3'	E412128-06A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS27 - 4'	E412128-07A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS28 - 4'	E412128-08A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS29 - 4'	E412128-09A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS30 - 4'	E412128-10A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS31 - 4'	E412128-11A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS32 - 4'	E412128-12A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS33 - 4'	E412128-13A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS34 - 4'	E412128-14A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS35 - 4'	E412128-15A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS36 - 4'	E412128-16A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS38 - 4'	E412128-17A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.
FS39 - 4'	E412128-18A	Soil	12/13/24	12/17/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

SW01 - 0'-3'

E412128-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

SW02 - 0'-3'

E412128-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

SW03 - 0'-3'

E412128-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

SW04 - 0'-3'

E412128-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS20 - 3'

E412128-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	**27.2**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS25 - 3'

E412128-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS27 - 4'

E412128-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	**27.2**	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS28 - 4'

E412128-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS29 - 4'

E412128-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS30 - 4'

E412128-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	**33.5**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS31 - 4'

E412128-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS32 - 4'

E412128-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*12/17/24*	*12/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS33 - 4'

E412128-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	**20.8**	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS34 - 4'

E412128-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS35 - 4'

E412128-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS36 - 4'

E412128-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	**35.1**	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS38 - 4'

E412128-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

FS39 - 4'

E412128-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Benzene	ND	0.0250	1	12/17/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/18/24	
Toluene	ND	0.0250	1	12/17/24	12/18/24	
o-Xylene	ND	0.0250	1	12/17/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/18/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451026
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*12/17/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/18/24	
Surrogate: n-Nonane		*97.0 %*	*50-200*	*12/17/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451028
Chloride	ND	20.0	1	12/17/24	12/17/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451026-BLK1)									Prepared: 12/17/24 Analyzed: 12/17/24
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	*7.07*		*8.00*		*88.4*	*70-130*			
LCS (2451026-BS1)									Prepared: 12/17/24 Analyzed: 12/17/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	4.97	0.0250	5.00		99.5	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.2*	*70-130*			
LCS Dup (2451026-BSD1)									Prepared: 12/17/24 Analyzed: 12/17/24
Benzene	4.91	0.0250	5.00		98.2	70-130	4.37	20	
Ethylbenzene	4.80	0.0250	5.00		96.0	70-130	4.17	20	
Toluene	4.88	0.0250	5.00		97.5	70-130	4.27	20	
o-Xylene	4.78	0.0250	5.00		95.5	70-130	4.02	20	
p,m-Xylene	9.76	0.0500	10.0		97.6	70-130	4.10	20	
Total Xylenes	14.5	0.0250	15.0		96.9	70-130	4.08	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.19*		*8.00*		*89.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451026-BLK1)									Prepared: 12/17/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			
LCS (2451026-BS2)									Prepared: 12/17/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
LCS Dup (2451026-BSD2)									Prepared: 12/17/24 Analyzed: 12/17/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.5	70-130	0.403	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451031-BLK1)									Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
LCS (2451031-BS1)									Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	*61.2*		*50.0*		*122*	*50-200*			
Matrix Spike (2451031-MS1)				**Source: E412128-07**					Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	295	25.0	250	27.2	107	38-132			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*50-200*			
Matrix Spike Dup (2451031-MSD1)				**Source: E412128-07**					Prepared: 12/17/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	286	25.0	250	27.2	103	38-132	3.22	20	
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:50:35AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451028-BLK1)									Prepared: 12/17/24 Analyzed: 12/17/24
Chloride	ND	20.0							
LCS (2451028-BS1)									Prepared: 12/17/24 Analyzed: 12/17/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2451028-BSD1)									Prepared: 12/17/24 Analyzed: 12/17/24
Chloride	256	20.0	250		102	90-110	0.0803	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:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 11:50

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E 412.18	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1107	12/13/24	S	1	SW01 - 0'-3'		1						+			
1058				SW02 - 0'-3'		2						+			
1101				SW03 - 0'-3'		3						+			
1112				SW04 - 0'-3'		4						+			
1052				FS 20 - 3'		5						+			
1050				FS 25 - 3'		6						+			
~~1050~~ 1330 DM				FS 27 - 4'		7						+			
1101				FS 28 - 4'		8						+			
1108				FS 29 - 4'		9						X			
1053				FS 30 - 4'		10						+			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	12/16/2024	7:21	Michelle Gonzales	12-16-24	0721
Michelle Gonzales	12.16.24	1640	[illegible]	12.16.24	1700
[illegible]	12.16.24	2400	Rami Dehaan	12/17/24	7:00

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E 412428	Job Number 23008002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1057	12/13/24	S	1	FS 31 - 4'		11						+			
1106				FS 32 - 4'		12						+			
1446				FS 33 - 4'		13						+			
1447				FS 34 - 4'		14						+			
1449				FS 35 - 4'		15						+			
1450				FS 36 - 4'		16						+			
1454				FS 38 - 4'		17						+			
1452				FS 39 - 4'		18						+			

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	12/16/2024	7:21	Michelle Gonzales	12.16.24	0721
Michelle Gonzales	12.16.24	1640		12.16.24	1700
	12.16.24	2400	Raina Schwanz	12/17/24	7:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 12/17/2024 7:51:19AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	12/17/24 07:00	Work Order ID:	E412128
Phone:	(972) 371-5200	Date Logged In:	12/16/24 15:08	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/23/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

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:	Weinberger Fed Com #135 Well Pad
Work Order:	E412137
Job Number:	23003-0002
Received:	12/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/23/24

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

Date Reported: 12/23/24

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

Project Name: Weinberger Fed Com #135 Well Pad
Workorder: E412137
Date Received: 12/18/2024 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2024 8:15:00AM, under the Project Name: Weinberger Fed Com #135 Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135 Well Pad 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
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ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/24 09:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS37-4'	E412137-01A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS40-4'	E412137-02A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS42-4'	E412137-03A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS44-4'	E412137-04A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS43-4'	E412137-05A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS45-4'	E412137-06A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS46-4'	E412137-07A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS47-3'	E412137-08A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS48-3'	E412137-09A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS49-4.5'	E412137-10A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS50-3'	E412137-11A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS51-4'	E412137-12A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS52-4'	E412137-13A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW05-0'-4'	E412137-14A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW06-0'-4'	E412137-15A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW07-0'-4'	E412137-16A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW09-0'-4'	E412137-17A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SW10-0'-4'	E412137-18A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
FS41-4'	E412137-19A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS37-4'

E412137-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**23.7**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS40-4'

E412137-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**131**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS42-4'

E412137-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**38.3**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS44-4'

E412137-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*128 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS43-4'

E412137-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS45-4'

E412137-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*130 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS46-4'

E412137-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*12/18/24*	*12/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	**95.5**	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*135 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**39.9**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS47-3'

E412137-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/18/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*12/18/24*	*12/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**29.2**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS48-3'

E412137-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	**35.1**	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**46.7**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS49-4.5'

E412137-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*132 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	ND	100	5	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS50-3'

E412137-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	**48.9**	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*132 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**28.5**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS51-4'

E412137-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*133 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**32.1**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS52-4'

E412137-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**80.6**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

SW05-0'-4'

E412137-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*132 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

SW06-0'-4'

E412137-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

SW07-0'-4'

E412137-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**33.3**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

SW09-0'-4'

E412137-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	ND	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

SW10-0'-4'

E412137-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**34.0**	20.0	1	12/18/24	12/18/24	

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

FS41-4'

E412137-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Benzene	ND	0.0250	1	12/18/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/20/24	
Toluene	ND	0.0250	1	12/18/24	12/20/24	
o-Xylene	ND	0.0250	1	12/18/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451049
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/20/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*12/18/24*	*12/20/24*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/18/24*	*12/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451055
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*12/18/24*	*12/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451050
Chloride	**28.5**	20.0	1	12/18/24	12/18/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451049-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.612*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*88.9*	*70-130*			
Surrogate: Toluene-d8	*0.571*		*0.500*		*114*	*70-130*			
LCS (2451049-BS1)									Prepared: 12/18/24 Analyzed: 12/18/24
Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.72	0.0250	2.50		109	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.86	0.0250	2.50		114	70-130			
p,m-Xylene	5.71	0.0500	5.00		114	70-130			
Total Xylenes	8.56	0.0250	7.50		114	70-130			
Surrogate: Bromofluorobenzene	*0.606*		*0.500*		*121*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			
LCS Dup (2451049-BSD1)									Prepared: 12/18/24 Analyzed: 12/18/24
Benzene	2.56	0.0250	2.50		102	70-130	1.47	23	
Ethylbenzene	2.73	0.0250	2.50		109	70-130	0.532	27	
Toluene	2.70	0.0250	2.50		108	70-130	0.875	24	
o-Xylene	2.79	0.0250	2.50		112	70-130	2.32	27	
p,m-Xylene	5.58	0.0500	5.00		112	70-130	2.20	27	
Total Xylenes	8.38	0.0250	7.50		112	70-130	2.24	27	
Surrogate: Bromofluorobenzene	*0.617*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.565*		*0.500*		*113*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451049-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.612*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*88.9*	*70-130*			
Surrogate: Toluene-d8	*0.571*		*0.500*		*114*	*70-130*			
LCS (2451049-BS2)									Prepared: 12/18/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	63.5	20.0	50.0		127	70-130			
Surrogate: Bromofluorobenzene	*0.626*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.2*	*70-130*			
Surrogate: Toluene-d8	*0.579*		*0.500*		*116*	*70-130*			
LCS Dup (2451049-BSD2)									Prepared: 12/18/24 Analyzed: 12/18/24
Gasoline Range Organics (C6-C10)	61.4	20.0	50.0		123	70-130	3.28	20	
Surrogate: Bromofluorobenzene	*0.611*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.564*		*0.500*		*113*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451055-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*60.9*		*50.0*		*122*	*50-200*			
LCS (2451055-BS1)									Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	306	25.0	250		123	38-132			
Surrogate: n-Nonane	*63.5*		*50.0*		*127*	*50-200*			
Matrix Spike (2451055-MS1)				**Source: E412137-09**					Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	323	25.0	250	35.1	115	38-132			
Surrogate: n-Nonane	*58.5*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2451055-MSD1)				**Source: E412137-09**					Prepared: 12/18/24 Analyzed: 12/18/24
Diesel Range Organics (C10-C28)	337	25.0	250	35.1	121	38-132	4.31	20	
Surrogate: n-Nonane	*63.6*		*50.0*		*127*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 9:31:38AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451050-BLK1)									Prepared: 12/18/24 Analyzed: 12/18/24
Chloride	ND	20.0							
LCS (2451050-BS1)									Prepared: 12/18/24 Analyzed: 12/18/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2451050-BSD1)									Prepared: 12/18/24 Analyzed: 12/18/24
Chloride	254	20.0	250		102	90-110	0.602	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:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/24 09:31

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E912137	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1115	12/16/24	S	1	FS37 - 4'		1						+			
1118	12/16/24	S	1	FS40 - 4'		2						+			
1131	12/16/24	S	1	FS42 - 4'		3						+			
1123	12/16/24	S	1	FS 44 - 4'		4						+			
1125	12/16/24	S	1	FS 43 - 4'		5						+			
1115	12/16/24	S	1	FS 45 - 4'		6						+			
1113	12/16/24	S	1	FS 46 - 4'		7						+			
1127	12/16/24	S	1	FS 47 - 3'		8						+			
1121	12/16/24	S	1	FS 48 - 3'		9						+			
1536	12/16/24	S	1	FS 49 - 4.5'		10						+			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	12/17/24	7:21	Michelle Gonzales	12.17.24	0721
Michelle Gonzales	12-17-24	1640		12.17.24	1646
	12.17.24	2315		12-18-24	0815

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E412137	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			
1124	12/16/24	S	1	FS 50 - 3'		11						+					
1529	12/16/24	S	1	FS 51 - 4'		12						+					
1329	12/16/24	S	1	FS 52 - 4'		13						+					
1148	12/16/24	S	1	SW05 - 0'-4'		14						+					
1153	12/16/24	S	1	SW06 - 0'-4'		15						+					
1159	12/16/24	S	1	SW07 - 0'-3'		16						+					
1204	12/16/24	S	1	SW09 - 0'-4'		17						+					
1206	12/16/24	S	1	SW10 - 0'-4'		18						+					
1519	12/16/24	S	1	FS41 - 4'		19						X					

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

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

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

Sampled by: Higinio Gonzalez and Jenna Tinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Tinkle	12/17/24	7:21	Michelle Gonzales	12.17.24	0721
Michelle Gonzales	12.17.24	1640		12.17.24	1640
	12.17.24	2315	Noe Soto	12-18-24	0815
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 12/18/2024 10:54:16AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	12/18/24 08:15	Work Order ID:	E412137
Phone:	(972) 371-5200	Date Logged In:	12/17/24 16:42	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Weinberger Fed Com #135 Well Pad
Work Order:	E412149
Job Number:	23003-0002
Received:	12/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/23/24

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

Date Reported: 12/23/24

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

Project Name: Weinberger Fed Com #135 Well Pad
Workorder: E412149
Date Received: 12/19/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2024 7:45:00AM, under the Project Name: Weinberger Fed Com #135 Well Pad.

The analytical test results summarized in this report with the Project Name: Weinberger Fed Com #135 Well Pad 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
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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

Sample Summary

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/24 08:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW08 @ 0-4.5'	E412149-01A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 8:57:03AM

SW08 @ 0-4.5'

E412149-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2451067
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/19/24*	*12/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*12/19/24*	*12/19/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/19/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2451067
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/19/24*	*12/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*12/19/24*	*12/19/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/19/24*	*12/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/19/24*	*12/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2451074
Chloride	ND	20.0	1	12/19/24	12/19/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 8:57:03AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451067-BLK1)									Prepared: 12/19/24 Analyzed: 12/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.594*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.568*		*0.500*		*114*	*70-130*			
LCS (2451067-BS1)									Prepared: 12/19/24 Analyzed: 12/19/24
Benzene	2.38	0.0250	2.50		95.2	70-130			
Ethylbenzene	2.51	0.0250	2.50		100	70-130			
Toluene	2.47	0.0250	2.50		98.9	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.23	0.0500	5.00		104	70-130			
Total Xylenes	7.84	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	*0.600*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.559*		*0.500*		*112*	*70-130*			
LCS Dup (2451067-BSD1)									Prepared: 12/19/24 Analyzed: 12/19/24
Benzene	2.25	0.0250	2.50		90.1	70-130	5.51	23	
Ethylbenzene	2.41	0.0250	2.50		96.3	70-130	4.31	27	
Toluene	2.35	0.0250	2.50		94.0	70-130	5.08	24	
o-Xylene	2.44	0.0250	2.50		97.7	70-130	6.82	27	
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130	6.57	27	
Total Xylenes	7.34	0.0250	7.50		97.8	70-130	6.65	27	
Surrogate: Bromofluorobenzene	*0.599*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.459*		*0.500*		*91.8*	*70-130*			
Surrogate: Toluene-d8	*0.560*		*0.500*		*112*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 8:57:03AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451067-BLK1)									Prepared: 12/19/24 Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.594*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.568*		*0.500*		*114*	*70-130*			
LCS (2451067-BS2)									Prepared: 12/19/24 Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	60.8	20.0	50.0		122	70-130			
Surrogate: Bromofluorobenzene	*0.609*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.582*		*0.500*		*116*	*70-130*			
LCS Dup (2451067-BSD2)									Prepared: 12/19/24 Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	60.9	20.0	50.0		122	70-130	0.241	20	
Surrogate: Bromofluorobenzene	*0.625*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.4*	*70-130*			
Surrogate: Toluene-d8	*0.570*		*0.500*		*114*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 8:57:03AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451073-BLK1)									Prepared: 12/19/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*50-200*			
LCS (2451073-BS1)									Prepared: 12/19/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	292	25.0	250		117	38-132			
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*50-200*			
Matrix Spike (2451073-MS1)				**Source: E412146-01**					Prepared: 12/19/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	520	25.0	250	314	82.2	38-132			
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*50-200*			
Matrix Spike Dup (2451073-MSD1)				**Source: E412146-01**					Prepared: 12/19/24 Analyzed: 12/19/24
Diesel Range Organics (C10-C28)	529	25.0	250	314	85.7	38-132	1.63	20	
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Weinberger Fed Com #135 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/2024 8:57:03AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2451074-BLK1)									Prepared: 12/19/24 Analyzed: 12/19/24
Chloride	ND	20.0							
LCS (2451074-BS1)									Prepared: 12/19/24 Analyzed: 12/19/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2451074-BSD1)									Prepared: 12/19/24 Analyzed: 12/19/24
Chloride	257	20.0	250		103	90-110	0.0397	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:	Weinberger Fed Com #135 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/23/24 08:57

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

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

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E412149	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Weinberger Fed Com 135 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0947	12-17-24	S	1	SW08 @ 0-4.5'		1						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-18-24	0800	Michelle Gonzales	12-1824	0800
Michelle Gonzales	12.18.24	1600		12-18-24	1600
	12-18-24	2145	Noe Soto	12-19-24	0745
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 12/19/2024 12:20:52PM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	12/19/24 07:45	Work Order ID:	E412149
Phone:	(972) 371-5200	Date Logged In:	12/18/24 16:43	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/30/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX E

NMOCD Correspondence

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 409477

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409477
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430259679**
Incident Name	**NAPP2430259679 WEINBERGER FEDERAL COM #135 WELL PAD @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Weinberger Federal Com #135 Well Pad**
Date Release Discovered	**10/28/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	9,804
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/10/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzales (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.7665, -103.76103

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Phone: (505) 476-3441

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409477
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/6/2024

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QUESTIONS

Action 409481

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430259679**
Incident Name	**NAPP2430259679 WEINBERGER FEDERAL COM #135 WELL PAD @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Weinberger Federal Com #135 Well Pad**
Date Release Discovered	**10/28/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	9,804
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/11/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzales (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.7665, -103.76103

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CONDITIONS

Action 409481

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Action 409483

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409483
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430259679**
Incident Name	**NAPP2430259679 WEINBERGER FEDERAL COM #135 WELL PAD @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Weinberger Federal Com #135 Well Pad**
Date Release Discovered	**10/28/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	9,804
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/12/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzales (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.7665, -103.76103

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Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 409483
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/6/2024

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QUESTIONS

Action 409485

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409485
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430259679**
Incident Name	**NAPP2430259679 WEINBERGER FEDERAL COM #135 WELL PAD @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Weinberger Federal Com #135 Well Pad**
Date Release Discovered	**10/28/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	9,804
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzales (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.7665, -103.76103

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CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 409485
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/6/2024

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QUESTIONS

Action 409486

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409486
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430259679**
Incident Name	**NAPP2430259679 WEINBERGER FEDERAL COM #135 WELL PAD @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Weinberger Federal Com #135 Well Pad**
Date Release Discovered	**10/28/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	9,804
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/16/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzales (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.7665, -103.76103

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Oil Conservation Division
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CONDITIONS

Action 409486

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 409486
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/6/2024

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QUESTIONS

Action 411331

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 411331
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430259679**
Incident Name	**NAPP2430259679 WEINBERGER FEDERAL COM #135 WELL PAD @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Weinberger Federal Com #135 Well Pad**
Date Release Discovered	**10/28/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	9,804
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/17/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzales (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.18884,-103.31024

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CONDITIONS

Action 411331

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 411331
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/12/2024

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QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 416425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430259679**
Incident Name	**NAPP2430259679 WEINBERGER FEDERAL COM #135 WELL PAD @ 30-025-53267**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-025-53267] WEINBERGER FEDERAL COM #135H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WEINBERGER FEDERAL COM #135 WELL PAD
Date Release Discovered	10/28/2024
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Human Error | Other (Specify) | Crude Oil | Released: 34 BBL | Recovered: 20 BBL | Lost: 14 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 416425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/02/2025

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 416425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1210
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	16726
GRO+DRO (EPA SW-846 Method 8015M)	16300
BTEX (EPA SW-846 Method 8021B or 8260B)	12.1
Benzene (EPA SW-846 Method 8021B or 8260B)	3
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	12/10/2024
On what date will (or did) the final sampling or liner inspection occur	12/17/2024
On what date will (or was) the remediation complete(d)	12/17/2024
What is the estimated surface area (in square feet) that will be reclaimed	9877
What is the estimated volume (in cubic yards) that will be reclaimed	1640
What is the estimated surface area (in square feet) that will be remediated	9877
What is the estimated volume (in cubic yards) that will be remediated	1640
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 416425
	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	Northern Delaware Basin Disposal Facility, Jal, NM
(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	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/02/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 416425
	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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 416425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**411331**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/17/2024**
What was the (estimated) number of samples that were to be gathered	**50**
What was the sampling surface area in square feet	**9804**

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	9877
What was the total volume (cubic yards) remediated	1640
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	9877
What was the total volume (in cubic yards) reclaimed	1640
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.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/02/2025

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QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 416425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 416425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/28/2025