ENSOLUM

August 27, 2025

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

Re: Closure Request Denial Response
Closure Request dated July 7, 2025
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers nAPP2501442555 and nAPP2505848368
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request Denial Response* to the New Mexico Oil Conservation Division (NMOCD) in reference to the *Closure Request,* dated July 7, 2025, prepared by Ensolum for the above reference Site. Ensolum offers the following responses to the NMOCD comments:

1. ***On pg. 2 of report you say: "The closest continuously flowing or significant watercourse to the Site is a playa, located approximately 0.35 miles southwest of the Site." Per 19.15.2 NMAC, a "watercourse" means a river, creek, arroyo, canyon, draw or wash or other channel having definite banks and bed with visible evidence of the occasional flow of water. According to the OCD Environmental Map the closest significant watercourse is 1-5 miles away, located to the SW. Under the Site Characterization portion of the C-141 application the minimum distance to the following is incorrect and requires update upon application resubmission and within the report: any other significant watercourse (between 1 and 5 miles).***

   Ensolum acknowledges the NMOCD comment and agrees the identified playa, located approximately 0.35 miles to the southwest of the Site is not a "watercourse" as defined by 19.15.7.7.P NMAC. The Site Characterization portion of the C-141 has been updated accordingly. Based on the new distance included in the Site Characterization, the Closure Criteria does not change the closure requirements for the Site included in the original *Closure Request and therefore 19.15.29.12C)(4) continues to be met*.

2. ***Per 19.15.29.11.A.(1) NMAC, a site map should include all surface and subsurface infrastructure on site, in addition to all sample points. This is especially important when there is no satellite imagery due to this being a newly constructed well pad. Include the location of the pumpjack and all site infrastructure in updated Figures.***

   On July 15, 2025, Ensolum personnel returned to the Site and mapped all surface and subsurface equipment present on pad. The attached Figure 2 and Figure 3 have been updated to include the on-Site structures.

3. ***Photographs do not clearly show a 3' excavation area. Attach additional photos of the excavations prior to backfill per 19.15.29.12.E NMAC and include a caption stating which sample points are shown.***

   Due to ongoing completions activites on-pad and the safety risks associated with operating a Site in and around a large excavtion, the excavation was backfilled immediately following the reciept of final laboratory analytical results. General photographs across the excavation that include portions of the 3-foot excavation area are included in the attached photograph log (Appendix A). Detailed photos of the excavation areas advanced to a depth of 3 feet below ground surface (bgs) could not be obtained due to excavation being backfilled, though Photographs 5 through 8 provide evidence of excavation in this location. Based on the photographs provided in the Closure Request, Matador believes requirements set forth in 19.15.29.12E(1)(b) NMAC have been met.

4. ***Sidewall samples are required to be collected around all the deeper excavations to ensure what remains is not over closure criteria. Lab results could show that the sides need to be extended. Not enough sidewall samples have been collected pursuant to 19.15.29.12.D NMAC. Perimeter of northern 2' excavation area is equal to ~336 ft2. 336*2=672/200=3.36 which should be rounded up to 4 sidewall samples. Perimeter of 3' excavation area is equal to ~620 ft2. 620*3=1,860/200=9.3 or 10 sidewall samples. Perimeter of 1' excavation area is equal to ~412 ft2. 412/200=2.06 or 3 sidewall samples. In addition, the small 2' excavation area in southern release area should have a sidewall sample collected around it. 18 sidewall samples should have been collected. You are 16 sidewall samples short.***

   Ensolum acknowledges the NMOCD request; however, the excavation of impacted soil wthin the footprint of the excavatin graded to various depths ranging from 0.5 feet and 3 feet bgs and were not stepped down to provide identifiable sidewalls for confiramtion samping purposes. During collection of the composite floor samples, soil from the areas transitioning between floor depth changes(1-foot to 3 feet bgs) and the main shallow excavation (0.5 foot bgs) were incorporated into the composite soil samples. The deeper excavation areas were mainly surrounded by the more shallow excavation, with the exception of to the northeast, which was where the sidewall composite soil samples (SW01 and SW02) were collected. Additionally, since the majority of the perimeter of the excavation was excavated to a depth of 0.5 feet bgs, the sidewall soils in those areas were combined with the floor composite soil samples.

   Based on the laboratory analytical data, the excavation floor samples FS01 through FS151 indicated all contaminants of concern (COC) concentrations were complicant with the applicable Site Closure Criteria. In addition, the release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS04, SS05B, SS05C, SS06, SS07A, and SS08 through SS12. Based on the confimration soil samples collected for this excavation, Matador believes 19.15.29.12.D(1) and (1)(c) have been met.

5. ***Because no sidewall samples were collected around the surface scrape area of FS05, and FS06 and FS07 have TPH above reclamation limits, confirm that no impacts left the pad by collecting two grab samples at .5 ft depth, one south of FS05 sample area and the other one south of FS07 sample area, directly off pad. If impacts are found, these must be remediated pursuant to 19.15.29.12 and 13 NMAC.***

   On July 15, 2025, Ensolum personnel returned to the Site to collect two additional lateral delineation soil samples (SS11 and SS12) from off-pad locations south of confirmation soil

sample locations FS05 and FS07 as requested by NMOCD. The soil samples were collected at a depth of 0.5 feet bgs. Soil from the lateral delineation samples were field screened for total petroleum hydrocarbons (TPH) utilizing a calibrated PetroFLAG® soil analyzer system and chloride using Hach® chloride QuanTab® test strips. Soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following COCs: benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. The delineation soil sample locations are depicted on Figure 2. Photographs were taken during the soil sampling activities, and a photographic log is included in Appendix A.

Laboratory analytical results for the delineation soil samples indicated all COCs were in compliance with the strictest Closure Criteria, confirming impacts have not left the on-Site pad, and the release extent has been fully laterally defined. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical report is included as Appendix B. Lateral delineation soil samples SS11 and SS12 corroborate analytical results from lateral delineation soil sample SS02, confirming 19.15.29.A(5) has been met.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS04, SS05B, SS05C, SS06, SS07A and SS08 through SS12, collected at ground surface, and vertically by boreholes BH01 through BH05, collected at depths up to 14 feet bgs. Excavation of impacted soil exceeding the applicable Site Closure Criteria was completed, and excavation floor samples FS01 through FS151, collected at depths ranging from 0.5 feet to 3 feet bgs, and sidewall samples SW01 and SW02, collected from ground surface to 2 feet bgs, were all in compliance with the applicable Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater have requirements set forth in 19.15.29 NMAC have been adhered to and as such, respectfully requests closure for Incident Numbers nAPP2501442555 and nAPP2505848368 until the Site is reconstructed, or the well pad is abandoned.

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

Sincerely,
Ensolum, LLC

Chad Hamilton
Project Geologist

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

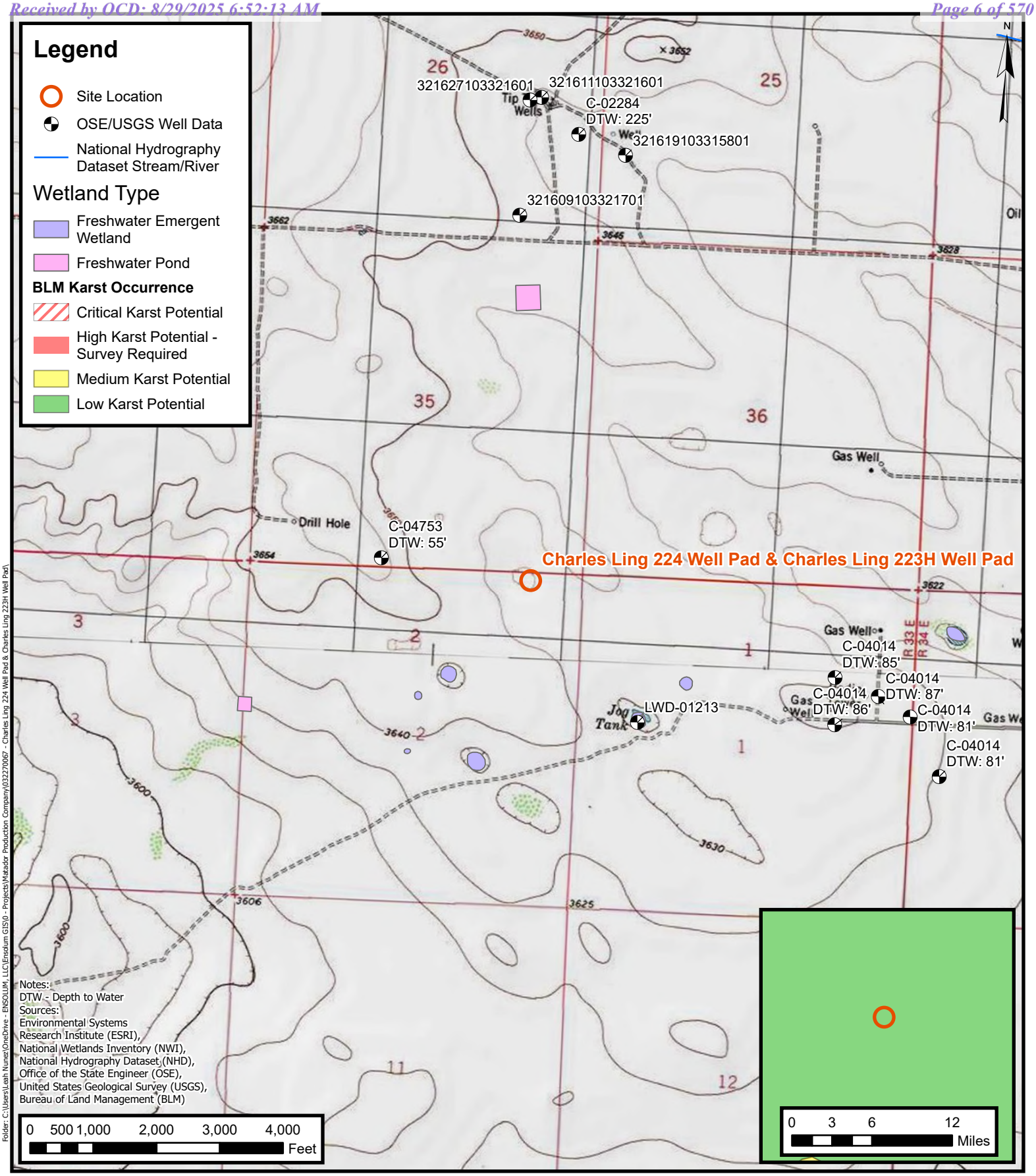
cc: Jason Touchet, Matador Production Company

Attachments:

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	Photographic Log
Appendix B	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix C	Remediation Closure Request

ENSOLUM

FIGURES



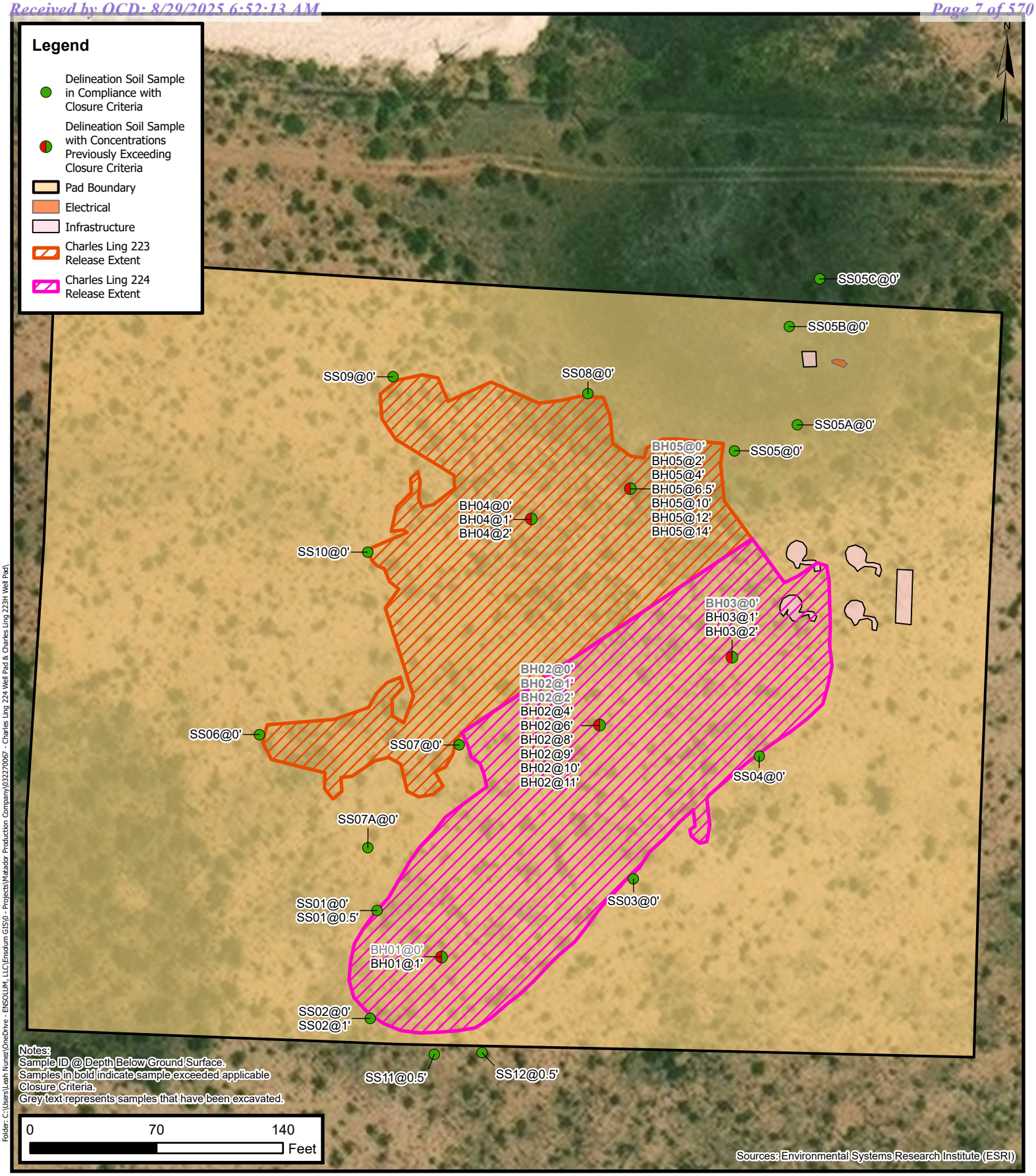
Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\032270067 - Charles Ling 224 Well Pad & Charles Ling 223H Well Pad\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Matador Production Company
Charles Ling 224 Well Pad, Charles Ling 223H Well Pad
Incident Numbers:
nAPP2501442555, nAPP2505848368
Unit A, Section 02, T 24S, R 33E
Lea County, New Mexico

FIGURE 1



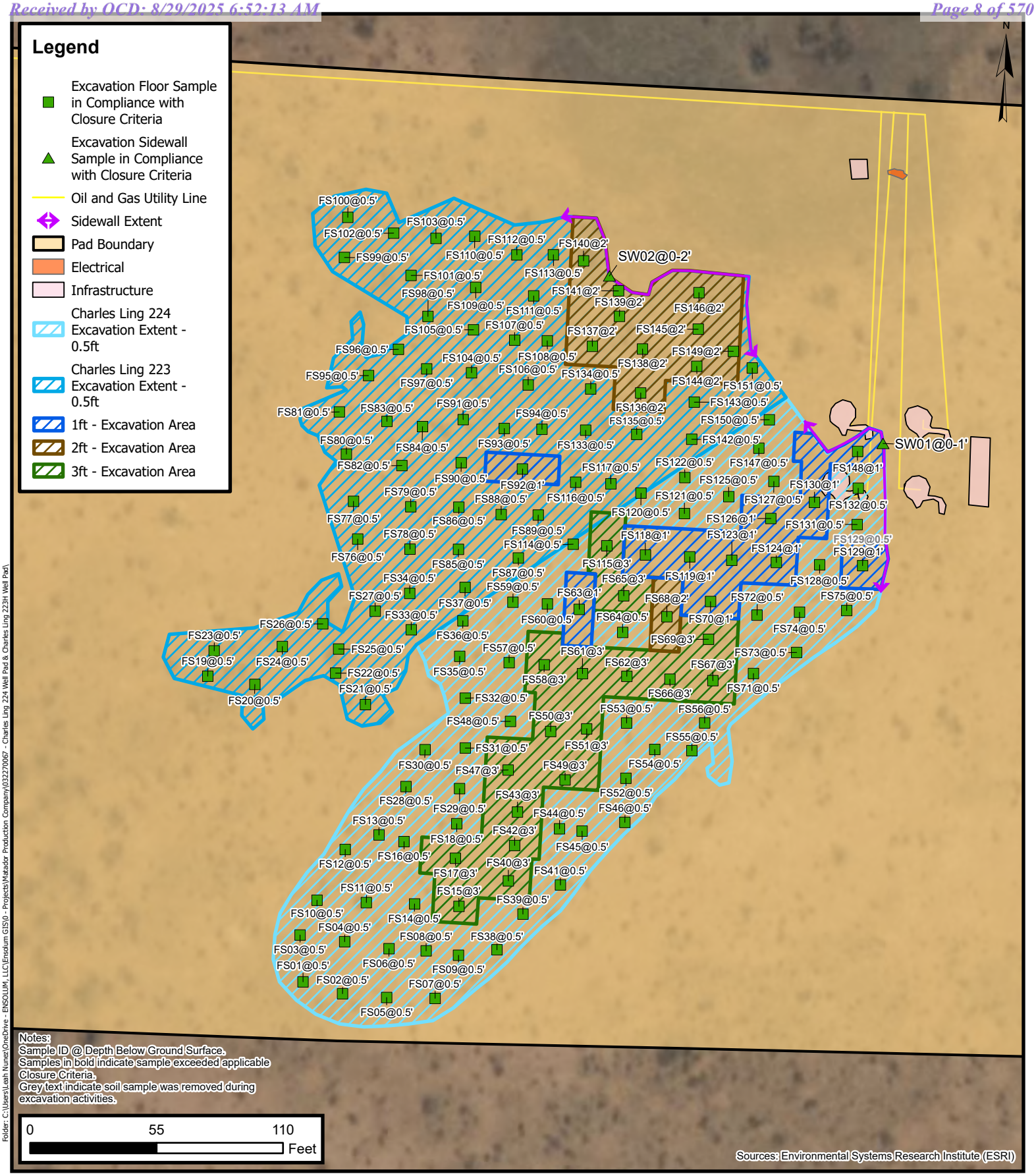
Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\032270067 - Charles Ling 224 Well Pad & Charles Ling 223H Well Pad\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

Matador Production Company
Charles Ling 224 Well Pad, Charles Ling 223H Well Pad
Incident Numbers:
nAPP2501442555, nAPP2505848368
Unit A, Section 02, T 24S, R 33E
Eddy County, New Mexico

FIGURE 2



Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\032270067 - Charles Ling 224 Well Pad & Charles Ling 223H Well Pad\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Locations

Matador Production Company
Charles Ling 224 Well Pad, Charles Ling 223H Well Pad
Incident Numbers:
nAPP2501442555, nAPP2505848368
Unit A, Section 02, T 24S, R 33E
Eddy County, New Mexico

FIGURE 3

ENSOLUM

TABLES

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Delineation Soil Samples										
SS01	3/5/2025	0	<0.0250	<0.0500	<20.0	37.8	<50.0	37.8	37.8	321
SS01	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159
SS02	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
SS02	3/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.8
SS03	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	290
SS04	3/6/2025	0	<0.0250	<0.0500	<20.0	43.8	<50.0	<25.0	43.8	217
SS05	4/16/2025	0	<0.0250	<0.0500	<20.0	241	88.8	241	330	506
SS05A	4/16/2025	0	<0.0250	<0.0500	<20.0	462	99.3	462	561.3	449
SS05B	4/16/2025	0	<0.0250	<0.0500	<20.0	36.7	<50.0	36.7	36.7	130
SS05C	4/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	180
SS06	3/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	474
SS07	3/5/2025	0	<0.0250	<0.0500	<20.0	77.7	80.9	77.7	159	402
SS07A	5/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	196
SS08	3/6/2025	0	<0.0250	<0.0500	<20.0	48.6	<50.0	<25.0	48.6	388
SS09	3/6/2025	0	<0.0250	<0.0500	<20.0	40.9	<50.0	<25.0	40.9	108
SS10	3/6/2025	0	<0.0250	<0.0500	<20.0	49.2	<50.0	<25.0	49.2	292
SS11	7/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS12	7/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	3/5/2025	0	<0.0250	<0.0500	<20.0	150	200.0	150	350	1,860
BH01	3/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	3/5/2025	0	<0.0250	<0.0500	<20.0	3,300	4,240	**3,300**	**7,540**	**28,200**
BH02	3/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	56.9	<25.0	56.9	**10,400**
BH02	3/12/2025	2	<0.0250	<0.0500	<20.0	418	731	418	1,149	**10,800**
BH02	3/12/2025	4	<0.0250	<0.0500	<20.0	43.1	68.6	43.1	111.7	6,600

ENSOLUM

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Delineation Soil Samples										
BH02	3/12/2025	6	<0.0250	<0.0500	<20.0	43.9	68.3	43.9	112.2	4,400
BH02	4/16/2025	8	<0.0250	<0.0500	<20.0	190	247	190	437	2,670
BH02	4/16/2025	9	<0.0250	<0.0500	<20.0	29.0	59.1	29.0	88.1	605
BH02	4/16/2025	10	<0.0250	<0.0500	<20.0	74.8	79.0	74.8	153.8	2,170
BH02	4/16/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	289
BH03	3/12/2025	0	<0.0250	<0.0500	<20.0	232	269	232	501	**20,700**
BH03	3/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
BH03	3/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	516
BH04	3/12/2025	0	<0.0250	0.0710	<20.0	455	1,570.0	455	2,025	3,370
BH04	3/12/2025	1	<0.0250	<0.0500	<20.0	32.1	71.8	32.1	103.9	501
BH04	3/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	209
BH05	3/12/2025	0	<0.0250	<0.0500	<20.0	22,900	1,730.0	**22,900**	**24,630**	2,370
BH05	3/12/2025	2	<0.0250	0.2019	<20.0	44.5	<50.0	44.5	44.5	343
BH05	3/12/2025	4	<0.0250	<0.0500	<20.0	537	<50.0	537	537	1,710
BH05	3/12/2025	6.5	<0.0250	<0.0500	<20.0	379	<50.0	379	379	321
BH05	4/16/2025	10	<0.0250	<0.0500	<20.0	169	<50.0	169	169	893
BH05	4/16/2025	12	<0.0250	<0.0500	<20.0	474	<50.0	474	474	501
BH05	4/16/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	86.9

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 2
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Excavation Floor Soil Samples										
FS01	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	171
FS02	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	249
FS03	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
FS04	5/9/2025	0.5	<0.0250	<0.0500	<20.0	28.2	<50.0	28.2	28.2	744
FS05	5/9/2025	0.5	<0.0250	<0.0500	<20.0	38.8	55.1	38.8	93.9	177
FS06	5/9/2025	0.5	<0.0250	<0.0500	<20.0	61.5	68.8	61.5	130.3	210
FS07	5/9/2025	0.5	<0.0250	<0.0500	<20.0	53.9	58.3	53.9	112.2	121
FS08	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
FS09	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
FS10	5/9/2025	0.5	<0.0250	<0.0500	<20.0	39.4	<50.0	39.4	39.4	347
FS11	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174
FS12	5/9/2025	0.5	<0.0250	<0.0500	<20.0	35.6	<50.0	35.6	35.6	315
FS13	5/9/2025	0.5	<0.0250	<0.0500	<20.0	27.9	<50.0	27.9	27.9	448
FS14	5/9/2025	0.5	<0.0250	<0.0500	<20.0	93.7	106	93.7	199.7	184
FS15	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS16	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	484
FS17	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	218
FS18	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
FS19	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,870
FS20	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,340
FS21	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.0	<50.0	36.0	36.0	2,350
FS22	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,530

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS23	5/8/2025	0.5	<0.0250	<0.0500	<20.0	26.0	<50.0	26.0	26.0	2,340
FS24	5/8/2025	0.5	<0.0250	<0.0500	<20.0	37.2	<50.0	37.2	37.2	3,390
FS25	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,480
FS26	5/9/2025	0.5	<0.0250	<0.0500	<20.0	26.2	<50.0	26.2	26.2	9,700
FS27	5/9/2025	0.5	<0.0250	<0.0500	<20.0	47.3	55.5	47.3	102.8	2,480
FS28	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	277
FS29	5/9/2025	0.5	<0.0250	<0.0500	<20.0	28.8	<50.0	28.8	28.8	2,150
FS30	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	848
FS31	5/9/2025	0.5	<0.0250	<0.0500	<20.0	43.9	62.3	43.9	106.2	3,050
FS32	5/9/2025	0.5	<0.0250	<0.0500	<20.0	280	452	280	732	3,020
FS33	5/9/2025	0.5	<0.0250	<0.0500	<20.0	481	990	481	1,471	1,080
FS34	5/9/2025	0.5	<0.0250	<0.0500	<20.0	454	761	454	1,215	2,500
FS35	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.9	79.7	36.9	116.6	3,870
FS36	5/9/2025	0.5	<0.0250	<0.0500	<20.0	188	215.0	188	403	5,370
FS37	5/14/2025	0.5	<0.0250	<0.0500	<20.0	475	859.0	475	1,334	5,320
FS38	5/9/2025	0.5	<0.0250	<0.0500	<20.0	44.6	85.2	44.6	129.8	50.5
FS39	5/9/2025	0.5	<0.0250	<0.0500	<20.0	32.1	69.1	32.1	101.2	117
FS40	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	116
FS41	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	182
FS42	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	320
FS43	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	736
FS44	5/12/2025	0.5	<0.0250	<0.0500	<20.0	29.7	<50.0	29.7	29.7	319

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS45	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	212
FS46	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	184
FS47	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
FS48	5/9/2025	0.5	<0.0250	<0.0500	<20.0	105	186	105	291	3,060
FS49	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,620
FS50	5/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,190
FS51	5/13/2025	3	<0.0250	<0.0500	<20.0	41.2	<50.0	41.2	41.2	3,010
FS52	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
FS53	5/12/2025	0.5	<0.0250	<0.0500	<20.0	68.0	<50.0	68.0	<50.0	396
FS54	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS55	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,110
FS56	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	863
FS57	5/9/2025	0.5	<0.0250	<0.0500	<20.0	108	135	108	243	1,980
FS58	5/13/2025	3	<0.0250	<0.0500	<20.0	30.2	<50.0	30.2	30.2	3,620
FS59	5/14/2025	0.5	<0.0250	<0.0500	<20.0	146	101	146	247	1,820
FS60	5/15/2025	0.5	<0.0250	<0.0500	<20.0	290	134	290	424	5,280
FS61	5/14/2025	3	<0.0250	<0.0500	<20.0	35.2	<50.0	35.2	35.2	5,730
FS62	5/13/2025	3	<0.0250	<0.0500	<20.0	61.9	64.3	61.9	126.2	515
FS63	6/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,330
FS64	5/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,030
FS65	5/13/2025	3	<0.0250	<0.0500	<20.0	42.0	<50.0	42.0	42.0	1,410
FS66	5/13/2025	3	<0.0250	<0.0500	<20.0	39.2	50.5	39.2	89.7	543

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS67	5/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	243
FS68	5/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,390
FS69	5/13/2025	3	<0.0250	<0.0500	<20.0	25.5	<50.0	25.5	25.5	1,220
FS70	5/14/2025	1	<0.0250	<0.0500	<20.0	31.5	<50.0	31.5	31.5	1,000
FS71	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	462
FS72	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	192
FS73	5/12/2025	0.5	<0.0250	<0.0500	<20.0	89.1	84.6	89.1	173.7	486
FS74	5/14/2025	0.5	<0.0250	<0.0500	<20.0	218	249	218	467	641
FS75	5/12/2025	0.5	<0.0250	<0.0500	<20.0	67.6	115	67.6	182.6	3,580
FS76	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.9	<50.0	36.9	36.9	3,670
FS77	5/9/2025	0.5	<0.0250	<0.0500	<20.0	523	540	523	1,063	2,670
FS78	5/9/2025	0.5	<0.0250	<0.0500	<20.0	147	204	147	351	1,830
FS79	5/9/2025	0.5	<0.0250	<0.0500	<20.0	230	449	230	679	2,710
FS80	5/9/2025	0.5	<0.0250	<0.0500	<20.0	67.9	142	67.9	209.9	763
FS81	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.5	52.3	36.5	88.8	1,670
FS82	5/9/2025	0.5	<0.0250	<0.0500	<20.0	289	159	289	448	885
FS83	5/9/2025	0.5	<0.0250	<0.0500	<20.0	77.3	126	77.3	203.3	1,170
FS84	5/9/2025	0.5	<0.0250	<0.0500	<20.0	79.1	90.5	79.1	169.6	2,020
FS85	5/14/2025	0.5	<0.0250	<0.0500	<20.0	426	304	426	730	5,200
FS86	5/14/2025	0.5	<0.0250	<0.0500	<20.0	238	106	238	344	3,170
FS87	5/14/2025	0.5	<0.0250	<0.0500	<20.0	290	147	290	437	4,280
FS88	5/14/2025	0.5	<0.0250	<0.0500	<20.0	144	96.3	144	240.3	2,730

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Excavation Floor Soil Samples										
FS89	5/15/2025	0.5	<0.0250	<0.0500	<20.0	240	144	240	384	1,970
FS90	5/14/2025	0.5	<0.0250	<0.0500	<20.0	44.8	<50.0	44.8	44.8	3,630
FS91	5/14/2025	0.5	<0.0250	<0.0500	<20.0	86.5	53.5	86.5	140	4,240
FS92	6/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,780
FS93	5/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,270
FS94	5/15/2025	0.5	<0.0250	<0.0500	<20.0	325	113	325	438	5,130
FS95	5/14/2025	0.5	<0.0250	<0.0500	<20.0	167	201	167	368	3,920
FS96	5/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,360
FS97	5/9/2025	0.5	<0.0250	<0.0500	<20.0	30.8	<50.0	30.8	30.8	4,290
FS98	5/14/2025	0.5	<0.0250	<0.0500	<20.0	105	66.7	105	171.7	1,400
FS99	5/13/2025	0.5	<0.0250	<0.0500	<20.0	25.4	<50.0	25.4	25.4	367
FS100	5/13/2025	0.5	<0.0250	<0.0500	<20.0	37.6	<50.0	37.6	37.6	1,930
FS101	5/13/2025	0.5	<0.0250	<0.0500	<20.0	49.1	53.0	49.1	102	609
FS102	5/13/2025	0.5	<0.0250	<0.0500	<20.0	47.9	<50.0	47.9	47.9	780
FS103	5/13/2025	0.5	<0.0250	<0.0500	<20.0	64.1	72.8	64.1	136.9	861
FS104	5/14/2025	0.5	<0.0250	<0.0500	<20.0	184	141	184	325	5,130
FS105	5/15/2025	0.5	<0.0250	<0.0500	<20.0	123	115	123	238	699
FS106	5/15/2025	0.5	<0.0250	<0.0500	<20.0	35.2	52.6	35.2	87.8	6,000
FS107	5/14/2025	0.5	<0.0250	<0.0500	<20.0	92.8	<50.0	92.8	92.8	3,630
FS108	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
FS109	5/13/2025	0.5	<0.0250	<0.0500	<20.0	137	97.7	137	235	2,460
FS110	5/13/2025	0.5	<0.0250	<0.0500	<20.0	106	96.3	106	202	741

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS111	5/12/2025	0.5	<0.0250	<0.0500	<20.0	863	<50.0	863	863	1,840
FS112	5/13/2025	0.5	<0.0250	<0.0500	<20.0	158	<50.0	158	158	1,260
FS113	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	759
FS114	5/14/2025	0.5	<0.0250	<0.0500	<20.0	136	93.9	136	230	1,740
FS115	5/13/2025	3	<0.0250	<0.0500	<20.0	66.2	68.1	66.2	134.3	1,580
FS116	5/14/2025	0.5	<0.0250	<0.0500	<20.0	96.3	51.5	96.3	147.8	5,950
FS117	5/14/2025	0.5	<0.0250	<0.0500	<20.0	131	97.3	131	228	3,480
FS118	5/14/2025	1	<0.0250	<0.0500	<20.0	40.0	<50.0	40.0	40.0	1,070
FS119	5/14/2025	1	<0.0250	<0.0500	<20.0	37.0	<50.0	37.0	37.0	2,970
FS120	5/14/2025	0.5	<0.0250	<0.0500	<20.0	338	389	338	727	2,780
FS121	5/12/2025	0.5	<0.0250	<0.0500	<20.0	34.6	<50.0	34.6	34.6	1,170
FS122	5/12/2025	0.5	<0.0250	<0.0500	<20.0	119	134	119	253	3,520
FS123	5/14/2025	1	<0.0250	<0.0500	<20.0	237	186	237	423	1,120
FS124	5/12/2025	1	<0.0250	<0.0500	<20.0	37.9	<50.0	37.9	37.9	1,220
FS125	5/12/2025	0.5	<0.0250	<0.0500	<20.0	174	167	174	341	1,040
FS126	5/14/2025	1	<0.0250	<0.0500	<20.0	84.1	83.5	84.1	167.6	921
FS127	5/12/2025	0.5	<0.0250	<0.0500	<20.0	284	210	284	494	2,120
FS128	5/14/2025	0.5	<0.0250	<0.0500	<20.0	109	101	109	210	2,730
FS129	5/14/2025	0.5	<0.0250	<0.0500	<20.0	988	1,820	988	2,808	614
FS129	6/2/2025	1	<0.0250	<0.0500	<20.0	725	1,380	725	2,105	2,460
FS130	6/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,350
FS131	5/14/2025	0.5	<0.0250	<0.0500	<20.0	486	728	486	1,214	4,200

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Excavation Floor Soil Samples										
FS132	5/14/2025	0.5	<0.0250	<0.0500	<20.0	499	376	499	875	2,590
FS133	5/14/2025	0.5	<0.0250	<0.0500	<20.0	27.6	<50.0	27.6	27.6	3,790
FS134	5/12/2025	0.5	<0.0250	<0.0500	<20.0	57.0	<50.0	57.0	57.0	3,340
FS134	5/14/2025	0.5	<0.0250	<0.0500	<20.0	279	99.6	279	378.6	5,430
FS135	5/14/2025	0.5	<0.0250	<0.0500	<20.0	220	80.6	220	300.6	3,550
FS136	5/12/2025	2	<0.0250	<0.0500	<20.0	464	<50.0	464	464	356
FS137	5/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.6
FS138	5/13/2025	2	<0.0250	<0.0500	<20.0	37.3	<50.0	37.3	37.3	29.1
FS139	5/13/2025	2	<0.0250	<0.0500	<20.0	95.7	<50.0	95.7	95.7	146
FS140	5/12/2025	2	<0.0250	<0.0500	<20.0	575	107	575	682	751
FS141	5/12/2025	2	<0.0250	<0.0500	<20.0	667	<50.0	667	667	1,270
FS142	5/12/2025	0.5	<0.0250	<0.0500	<20.0	134	84.1	134	218.1	1,420
FS143	5/12/2025	0.5	<0.0250	<0.0500	<20.0	410	208	410	618	1,070
FS144	5/13/2025	2	<0.0250	<0.0500	<20.0	185	<50.0	185	185	112
FS145	5/12/2025	2	<0.0250	<0.0500	<20.0	246	<50.0	246	246	232
FS146	6/2/2025	2	<0.0250	<0.0500	<20.0	37.9	<50.0	37.9	37.9	98.0
FS147	5/12/2025	0.5	<0.0250	<0.0500	<20.0	647	877	647	1,524	2,170
FS148	6/2/2025	1	<0.0250	<0.0500	<20.0	43.8	67.0	43.8	111	887
FS149	5/12/2025	2	<0.0250	<0.0500	<20.0	269	<50.0	269	269	228
FS150	5/12/2025	0.5	<0.0250	<0.0500	<20.0	275	141	275	416	1,840
FS151	5/12/2025	0.5	<0.0250	<0.0500	<20.0	60.0	<50.0	60.0	60.0	1,110

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Grey text represents samples that have been excavated
"<": Laboratory Analytical result is less than reporting limit
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
** 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
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Sidewall Soil Samples										
SW01	5/15/2025	0-1	<0.0250	<0.0500	<20.0	594	999	594	1,593	4,290
SW02	5/14/2025	0-2	<0.0250	<0.0500	<20.0	65.7	<50.0	65.7	65.7	148

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

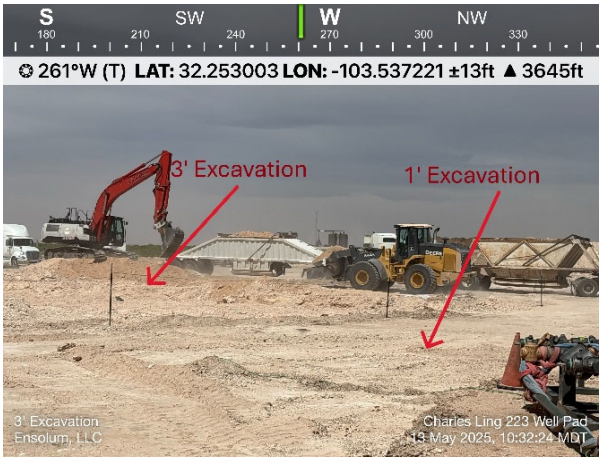
Photographic Log

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



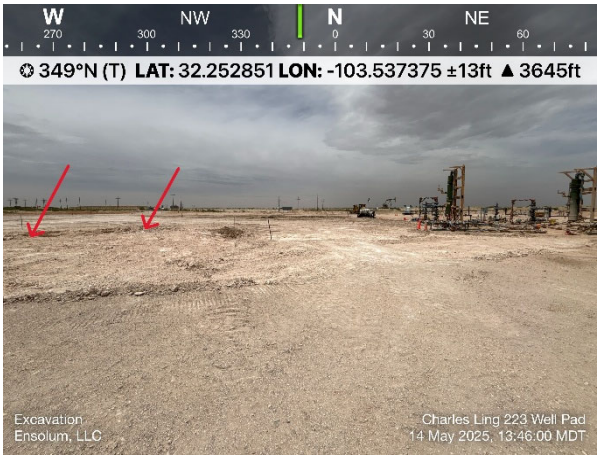
Photograph 5 Date: 05/09/2025
Description: 3 Foot Excavation Area
View: Southwest



Photograph 6 Date: 05/13/2025
Description: 3 and 1 Foot Excavation Area
View: West



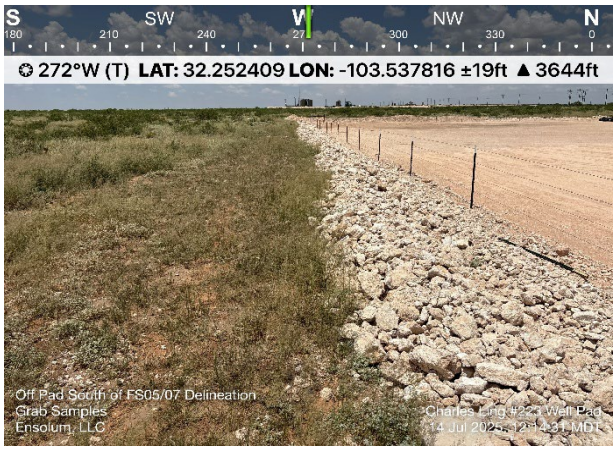
Photograph 7 Date: 05/14/2025
Description: 3 Foot Excavation Area
View: West



Photograph 8 Date: 05/14/2025
Description: 3 Foot Excavation Area
View: North

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



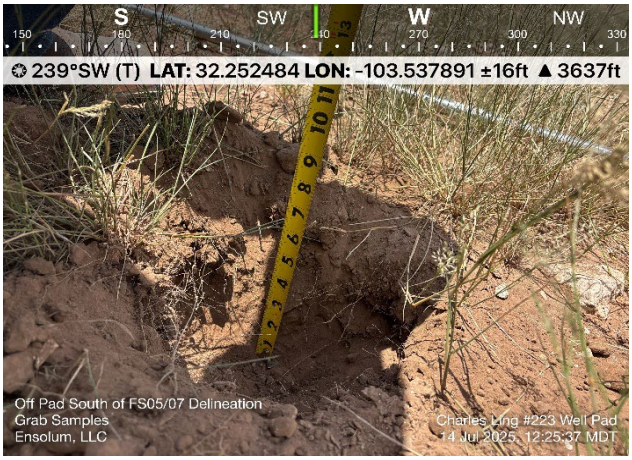
Photograph 29 Date: 07/14/2025
Description: Sampling Activities 224 & 223H Well Pad
View: North



Photograph 30 Date: 07/14/2025
Description: Sampling Activities 224 & 223H Well Pad
View: East



Photograph 30 Date: 07/14/2025
Description: Sampling Activities SS12
View: West



Photograph 40 Date: 07/14/2025
Description: Sampling Activities SS11
View: Southwest

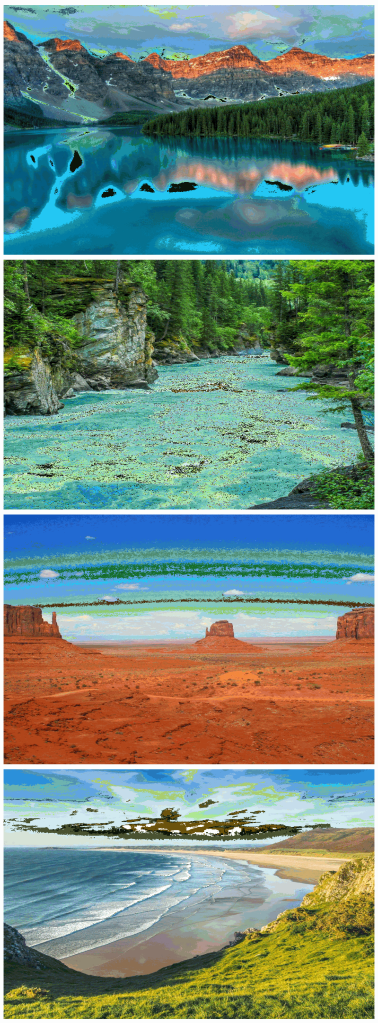
ENSOLUM

APPENDIX B

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:	Charles Ling #223 Well Pad
Work Order:	E507162
Job Number:	23003-0002
Received:	7/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/17/25

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

Date Reported: 7/17/25

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

Project Name: Charles Ling #223 Well Pad
Workorder: E507162
Date Received: 7/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/16/2025 8:00:00AM, under the Project Name: Charles Ling #223 Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling #223 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SS11-0.5’ 5

SS12-0.5’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/17/25 16:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS11-0.5'	E507162-01A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.
SS12-0.5'	E507162-02A	Soil	07/14/25	07/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2025 4:50:38PM

SS11-0.5'

E507162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2529077
Benzene	ND	0.0250	1	07/15/25	07/16/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/16/25	
Toluene	ND	0.0250	1	07/15/25	07/16/25	
o-Xylene	ND	0.0250	1	07/15/25	07/16/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/16/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*07/15/25*	*07/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2529077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*07/15/25*	*07/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2529060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
Surrogate: n-Nonane		*84.1 %*	*61-141*	*07/15/25*	*07/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2529075
Chloride	ND	20.0	1	07/15/25	07/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2025 4:50:38PM

SS12-0.5'

E507162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2529077
Benzene	ND	0.0250	1	07/15/25	07/16/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/16/25	
Toluene	ND	0.0250	1	07/15/25	07/16/25	
o-Xylene	ND	0.0250	1	07/15/25	07/16/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/16/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*07/15/25*	*07/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2529077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*07/15/25*	*07/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2529060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
Surrogate: n-Nonane		*84.4 %*	*61-141*	*07/15/25*	*07/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2529075
Chloride	ND	20.0	1	07/15/25	07/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2025 4:50:38PM

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 (2529077-BLK1)									Prepared: 07/15/25 Analyzed: 07/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.1*	*70-130*			
LCS (2529077-BS1)									Prepared: 07/15/25 Analyzed: 07/16/25
Benzene	5.51	0.0250	5.00		110	70-130			
Ethylbenzene	5.45	0.0250	5.00		109	70-130			
Toluene	5.48	0.0250	5.00		110	70-130			
o-Xylene	5.48	0.0250	5.00		110	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.06*		*8.00*		*101*	*70-130*			
Matrix Spike (2529077-MS1)				**Source: E507148-06**					Prepared: 07/15/25 Analyzed: 07/16/25
Benzene	5.37	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130			
Toluene	5.34	0.0250	5.00	ND	107	70-130			
o-Xylene	5.37	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			
Matrix Spike Dup (2529077-MSD1)				**Source: E507148-06**					Prepared: 07/15/25 Analyzed: 07/16/25
Benzene	5.89	0.0250	5.00	ND	118	70-130	9.11	27	
Ethylbenzene	5.82	0.0250	5.00	ND	116	70-130	9.32	26	
Toluene	5.86	0.0250	5.00	ND	117	70-130	9.19	20	
o-Xylene	5.84	0.0250	5.00	ND	117	70-130	8.32	25	
p,m-Xylene	11.8	0.0500	10.0	ND	118	70-130	8.98	23	
Total Xylenes	17.6	0.0250	15.0	ND	118	70-130	8.76	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2025 4:50:38PM

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 (2529077-BLK1)									Prepared: 07/15/25 Analyzed: 07/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
LCS (2529077-BS2)									Prepared: 07/15/25 Analyzed: 07/16/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2529077-MS2)				**Source: E507148-06**					Prepared: 07/15/25 Analyzed: 07/16/25
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			
Matrix Spike Dup (2529077-MSD2)				**Source: E507148-06**					Prepared: 07/15/25 Analyzed: 07/16/25
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.3	70-130	12.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2025 4:50:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2529060-BLK1)									Prepared: 07/15/25 Analyzed: 07/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.3*	*61-141*			
LCS (2529060-BS1)									Prepared: 07/15/25 Analyzed: 07/16/25
Diesel Range Organics (C10-C28)	274	25.0	250		109	66-144			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.4*	*61-141*			
Matrix Spike (2529060-MS1)				**Source: E507134-21**					Prepared: 07/15/25 Analyzed: 07/16/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*61-141*			
Matrix Spike Dup (2529060-MSD1)				**Source: E507134-21**					Prepared: 07/15/25 Analyzed: 07/16/25
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	0.188	20	
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2025 4:50:38PM

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 (2529075-BLK1)									Prepared: 07/15/25 Analyzed: 07/15/25
Chloride	ND	20.0							
LCS (2529075-BS1)									Prepared: 07/15/25 Analyzed: 07/15/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2529075-MS1)				**Source: E507140-03**					Prepared: 07/15/25 Analyzed: 07/15/25
Chloride	418	20.0	250	161	103	80-120			
Matrix Spike Dup (2529075-MSD1)				**Source: E507140-03**					Prepared: 07/15/25 Analyzed: 07/15/25
Chloride	439	20.0	250	161	111	80-120	4.83	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:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/17/25 16:50

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E507162	1D 2D 3D Std	NM CO UT TX
Project Name: Charles Ling #223 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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	
1226	07/14/2025	S	1	SS11 - 0.5'		1									X		
1221	07/14/2025	S	1	SS12-0.5'		2									X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Temp	Remarks
2.4	Rush
2.6	Rush

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7-15-25	1300	Marissa Gonzales	7-15-25	1300
Marissa Gonzales	7-15-25	1730		7.15.25	1730
	7.15.25	2215		7.16.25	800

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

Lab Use Only

Received on ice: (Y) N

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 Analytical Laboratory

Printed: 7/16/2025 9:29:59AM

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:	07/16/25 08:00	Work Order ID:	E507162
Phone:	(972) 371-5200	Date Logged In:	07/15/25 15:57	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	07/16/25 17:00 (0 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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX C

Remediation Closure Request

ENSOLUM

July 7, 2025

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

Re: Closure Request
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers nAPP2501442555 & nAPP2505848368
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* summarizing the response efforts and remediation activities performed at the Charles Ling 224 Well Pad and Charles Ling 223H Well Pad (Site), located in Unit A, Section 02, Township 24 South, Range 33 East, in Lea County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following two releases of produced water at the Site. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2501442555 & nAPP2505848368.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Lea County, New Mexico (32.25347°, -103.53718°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On January 13, 2025, a nipple washed out on a chicksun on the high-pressure frack manifold resulting in the release of 47 barrels (bbls) of produced water onto the caliche pad (please note, Figures 2 and 3 do not depict the newly constructed well pad that the release encompassed). A vacuum truck successfully recovered 6 bbls of produced water. The release impacted an area approximately 29,084 square feet in size on-pad. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on January 14, 2025, and subsequently the release was assigned Incident Number nAPP2501442555.

On February 27, 2025, personnel over pressured the hair pin line on the wellhead resulting in the release of 17 bbls of produced water onto the caliche pad; 0 bbls of produced water were recovered. The release impacted an area approximately 28,825 square feet in size directly next to and overlapping the produced water release associated with incident number nAPP2501442555. Matador reported the second release to the NMOCD via web portal on February 27, 2025, and subsequently the release was assigned Incident Number nAPP2505848368.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 04753 POD1 with a depth to water measurement greater than 55 feet below ground surface (bgs). The well is located 0.45 miles northwest of the Site and the most recent documented water level measurement was collected on July 31, 2023. All wells used for depth to groundwater determinations are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a playa, located approximately 0.35 miles 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) and TPH-diesel range organics (DRO): 1,000 mg/kg
- Total petroleum hydrocarbons (TPH): 2,500 mg/kg
- Chloride: 10,000 mg/kg

CULTURAL RESOURCE SURVEY

Since the releases remained on pad, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release.

DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on March 05 and 06, 2025, Ensolum personnel arrived onsite to conduct lateral and vertical delineation soil sampling activities. Two lateral delineation sample locations (SS01 and SS02) were collected at ground surface at a depth of 1-foot bgs and seven lateral delineation soil samples (SS03, SS04, SS06, SS07, and SS08 through SS10) were collected from around the release extent to verify the lateral extent of impacted soil. Two boreholes (BH01 and BH02) were advanced within the release extent to a depth of 1-foot bgs via hand auger. Delineation soil samples were field screened for chloride and TPH utilizing Hatch® QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively. The delineation sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

On March 12, 2025, Ensolum personnel returned to the Site to advance borehole BH02 to a depth of 6 feet bgs, boreholes BH03 through BH04 to a depth of 2 feet bgs, and borehole BH05 to a depth of

6.5 feet bgs within the release extent via backhoe. Discrete soil samples were collected from the boreholes and field screened for chloride and for volatile organic compounds (VOC's) with a calibrated Honeywell® photoionization detector (PID). Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B.

Ensolum personnel returned to the Site on April 16, 2025, to advance borehole BH02 to a depth of 11 feet bgs and borehole BH05 to a depth of 14 feet bgs with a Geoprobe® 7822DT drill rig. Delineation soil samples were field screened for chloride and TPH. Four additional lateral delineation soil samples (SS05 through SS05C) were collected from around the northeast side of the release extents.

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

LABORATORY ANALYITCAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS02, collected at ground surface and 1-foot bgs, were in compliance with the strictest Closure Criteria and with the Site Closure Criteria. Laboratory analytical results for lateral delineation soil samples SS03, SS04, SS06, SS07A, and SS08 through SS10 were in compliance with the strictest Closure Criteria and with the Site Closure Criteria at ground surface. Lateral Delineation soil sample SS07 exceeded the strictest Closure Criteria at ground surface; however, it was in compliance with the Site Closure Criteria.

Borehole BH01 exceeded the Site Closure Criteria at ground surface; however, all COC concentrations were in compliance with the strictest Closure Criteria and with the Site Closure Criteria at a depth of 1-foot bgs. Laboratory analytical results for borehole BH02 indicated TPH and/or chloride concentrations exceeded the Site Closure Criteria at ground surface to a depth of 2 feet bgs. Laboratory analytical results for boreholes BH03 and BH05 indicated COC concentrations exceeded the Site Closure Criteria at ground surface but were in compliance with the strictest Closure Criteria at a depth of 1-foot bgs in boreholes BH03 and 2 feet bgs in borehole BH05. Borehole BH04 was in compliance with the Site Closure Criteria at ground surface and in compliance with the strictest Closure Criteria at a depth of 2 feet bgs. Boreholes BH02 and BH05 were in compliance with the strictest Closure Criteria at a terminal depth of 11 feet and 14 feet bgs, respectively. Boreholes BH03 and BH04 were in compliance with the strictest Closure Criteria at a depth of 1-foot bgs and 2 feet bgs respectively. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on March 08, 2025, impacted soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a hydro-vac, track hoe, front-end loader, backhoe, and belly dump trucks. To direct excavation activities, Ensolum personnel screened soil for chloride and TPH utilizing the processes described above.

Following the removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS151 were collected from the floor of the excavation at depths ranging from 0.5 feet to 3 feet bgs. Composite soil samples SW01 and SW02 were collected from the excavation sidewalls ranging in depth from the ground surface to 2 feet bgs. The majority of the excavation was excavated to 0.5 feet bgs and

as such, sidewall samples in those areas were combined with floor confirmation samples hence, only two sidewall samples were collected. 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 60,534 square feet. A total of approximately 1,406 cubic yards of impacted soil associated with Incident Number nAPP2501442555 and a total of approximately 938 cubic yards of impacted soil associated with Incident Number nAPP2505848368 were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Northern Delaware Facility in Jal, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor soil samples FS01 through FS151 indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at depths ranging from 0.5 feet to 3 feet bgs. Laboratory analytical results for excavation sidewall soil samples SW01 and SW02 indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at depths ranging from ground surface to 2 feet bgs. Laboratory analytical results are summarized in Tables 2 and 3 and the complete laboratory analytical reports are included as Appendix D.

RECLAMATION PLAN

The releases remained on the well pad that is currently in operation for oil and gas production purposes. As such, the release areas are not expected to be reclaimed until the oil and gas well is plugged and abandoned (P&A'd) and the well pad is reclaimed. The Reclamation Plan for this release will default to the NMSLO-approved Reclamation Plan for the well pad per 19.2.100.67 NMAC. The excavation was backfilled with locally sourced caliche to match the well pad's current grade. The backfilled area was not seeded since it is within the active well pad, Erosion control management is not necessary since the backfilled area is within the active well pad.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS04, SS05B, SS05C, SS06, SS07A and SS08 through SS10, collected at ground surface, and vertically by boreholes BH01 through BH05, collected at depths up to 14 feet bgs. Excavation of impacted soil was completed, and excavation floor samples (FS01 through FS151, collected at depths ranging from 0.5 feet to 3 feet bgs, and sidewall samples SW01 and SW02, collected from ground surface to 2 feet bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Numbers nAPP2501442555 & nAPP2505848368.

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
Associate Principal

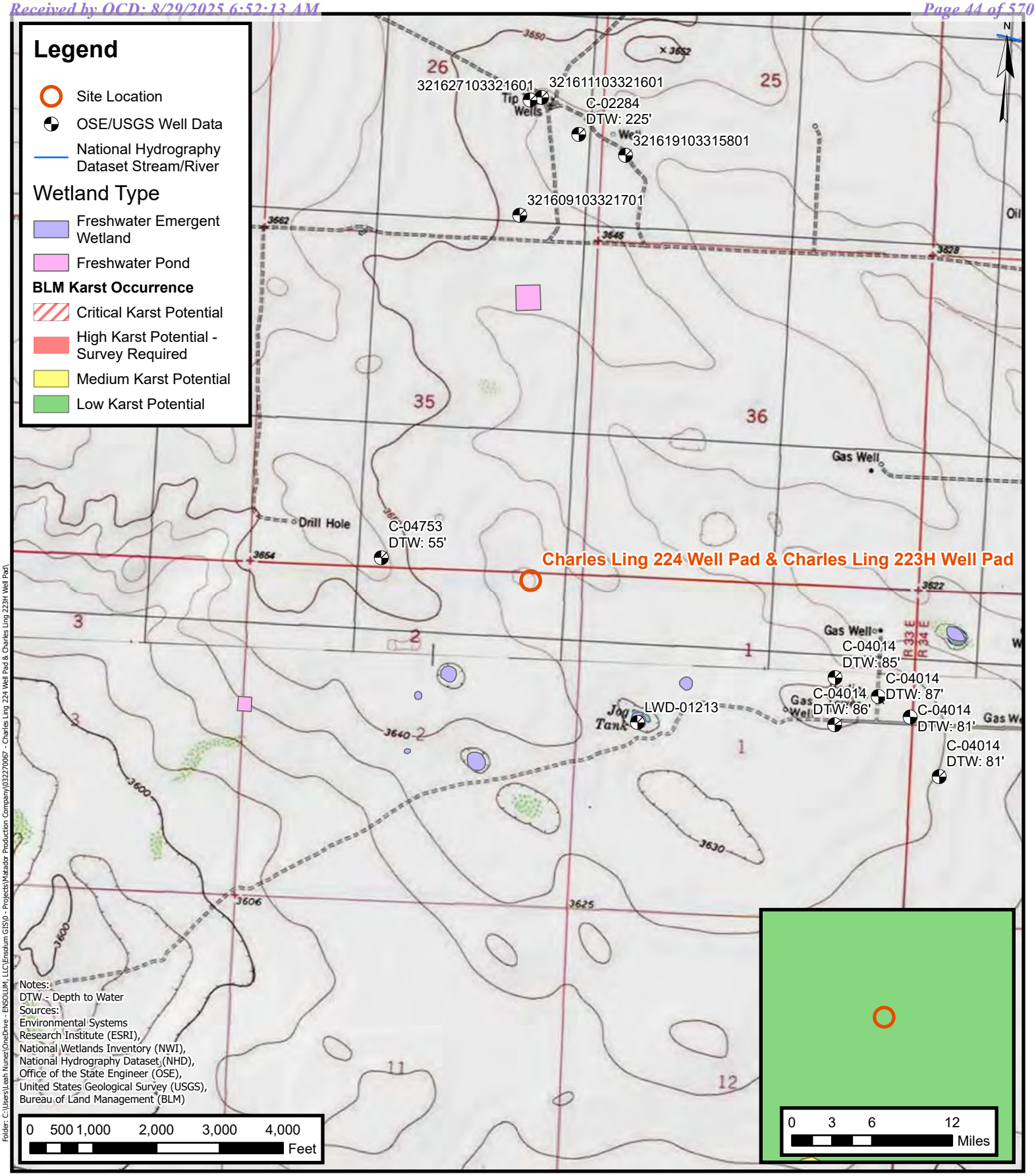
Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

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 Soil Samples)
Table 3	Soil Sample Analytical Results (Excavation Sidewall Soil Samples)
Appendix A	Referenced Well Records
Appendix B	Lithological Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence

ENSOLUM

FIGURES



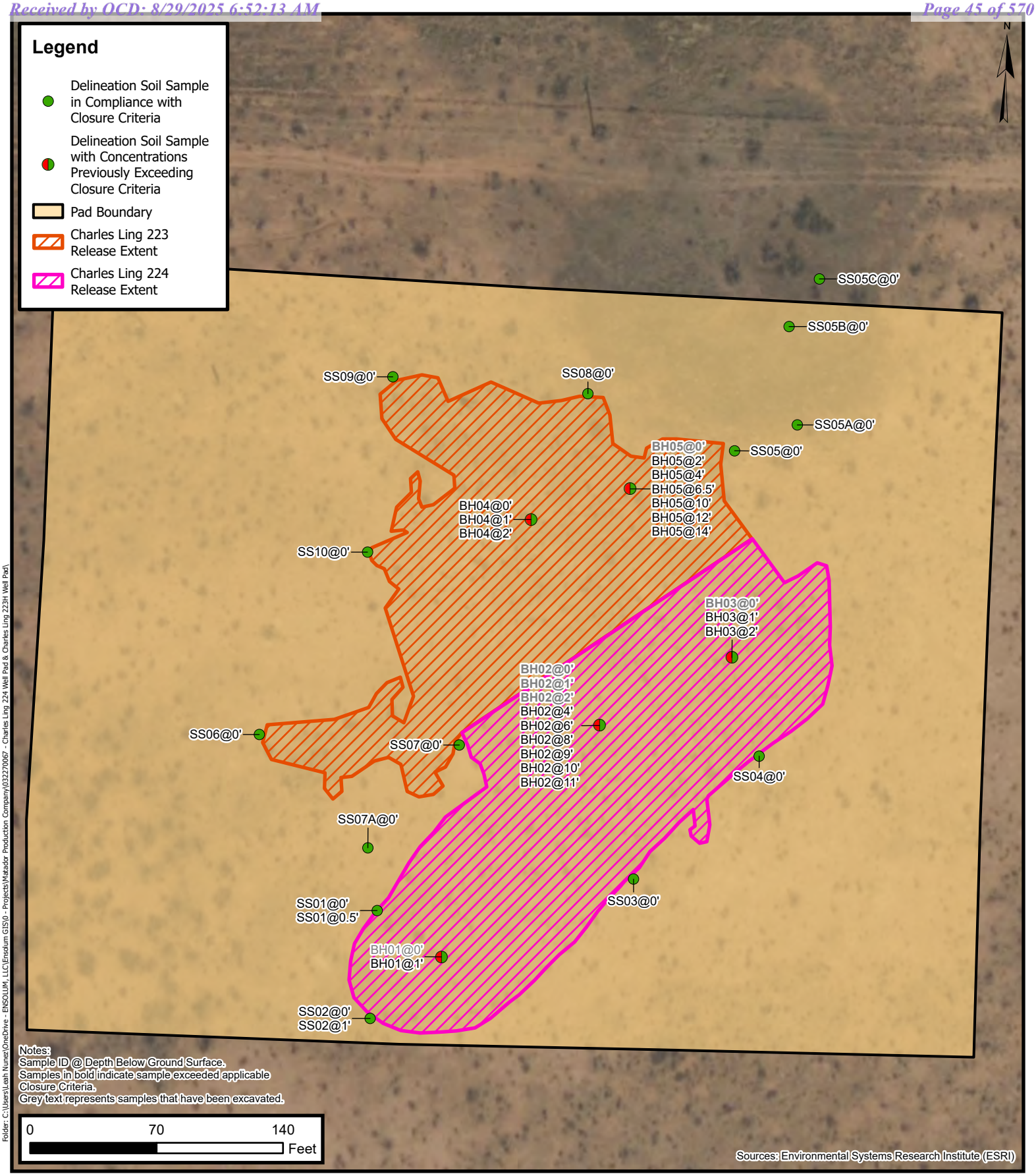
Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\032270067 - Charles Ling 224 Well Pad & Charles Ling 223H Well Pad\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Matador Production Company
Charles Ling 224 Well Pad, Charles Ling 223H Well Pad
Incident Numbers:
nAPP2501442555, nAPP2505848368
Unit A, Section 02, T 24S, R 33E
Lea County, New Mexico

FIGURE 1



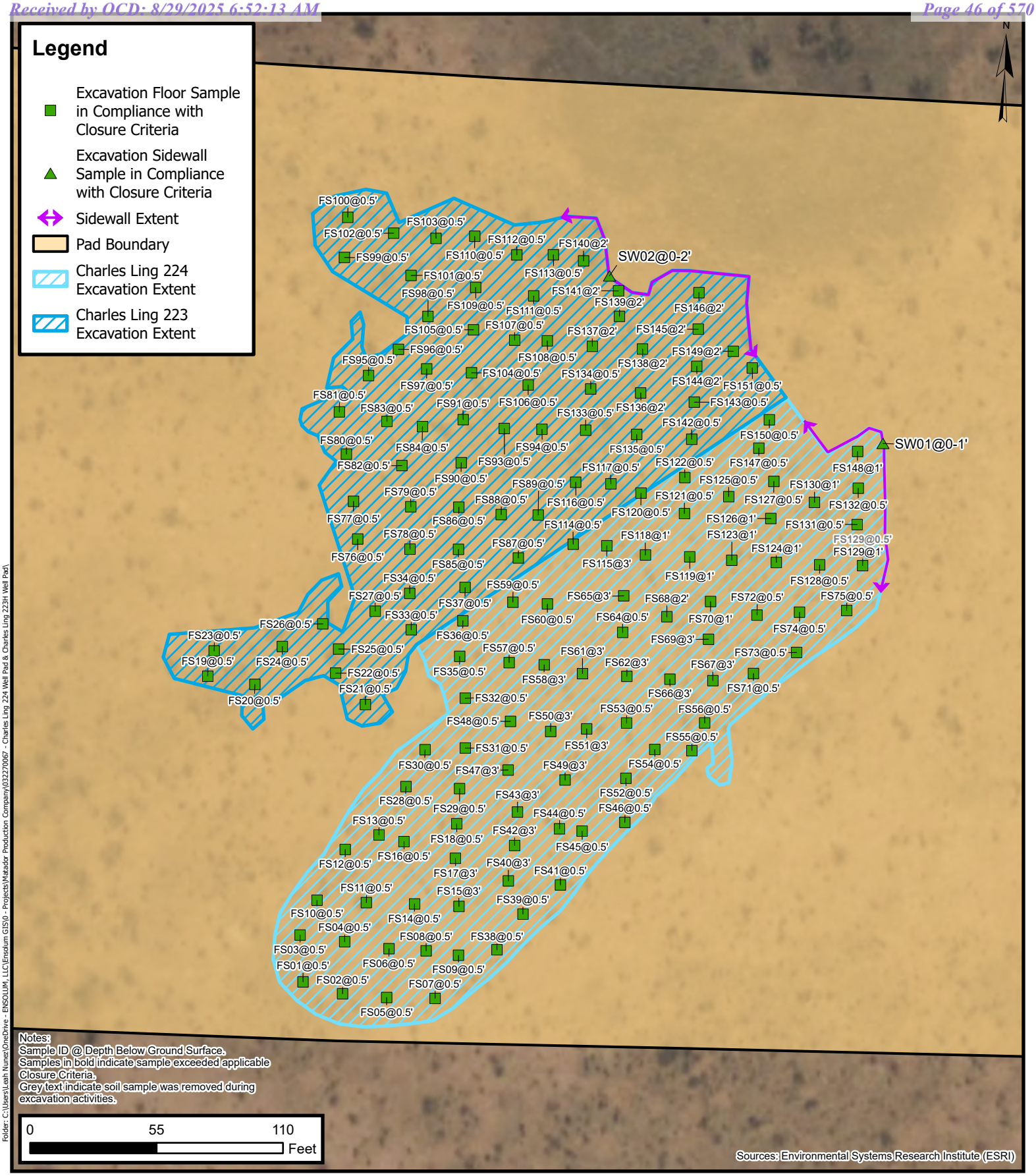
Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\032270067 - Charles Ling 224 Well Pad & Charles Ling 223H Well Pad\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

Matador Production Company
Charles Ling 224 Well Pad, Charles Ling 223H Well Pad
Incident Numbers:
nAPP2501442555, nAPP2505848368
Unit A, Section 02, T 24S, R 33E
Eddy County, New Mexico

FIGURE 2



Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\032270067 - Charles Ling 224 Well Pad & Charles Ling 223H Well Pad\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Locations

Matador Production Company
Charles Ling 224 Well Pad, Charles Ling 223H Well Pad
Incident Numbers:
nAPP2501442555, nAPP2505848368
Unit A, Section 02, T 24S, R 33E
Eddy County, New Mexico

FIGURE 3

ENSOLUM

TABLES

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Delineation Soil Samples										
SS01	3/5/2025	0	<0.0250	<0.0500	<20.0	37.8	<50.0	37.8	37.8	321
SS01	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159
SS02	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
SS02	3/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.8
SS03	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	290
SS04	3/6/2025	0	<0.0250	<0.0500	<20.0	43.8	<50.0	<25.0	43.8	217
SS05	4/16/2025	0	<0.0250	<0.0500	<20.0	241	88.8	241	330	506
SS05A	4/16/2025	0	<0.0250	<0.0500	<20.0	462	99.3	462	561.3	449
SS05B	4/16/2025	0	<0.0250	<0.0500	<20.0	36.7	<50.0	36.7	36.7	130
SS05C	4/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	180
SS06	3/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	474
SS07	3/5/2025	0	<0.0250	<0.0500	<20.0	77.7	80.9	77.7	159	402
SS07A	5/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	196
SS08	3/6/2025	0	<0.0250	<0.0500	<20.0	48.6	<50.0	<25.0	48.6	388
SS09	3/6/2025	0	<0.0250	<0.0500	<20.0	40.9	<50.0	<25.0	40.9	108
SS10	3/6/2025	0	<0.0250	<0.0500	<20.0	49.2	<50.0	<25.0	49.2	292
BH01	3/5/2025	0	<0.0250	<0.0500	<20.0	150	200.0	150	350	1,860
BH01	3/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	3/5/2025	0	<0.0250	<0.0500	<20.0	3,300	4,240	**3,300**	**7,540**	**28,200**
BH02	3/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	56.9	<25.0	56.9	**10,400**
BH02	3/12/2025	2	<0.0250	<0.0500	<20.0	418	731	418	1,149	**10,800**
BH02	3/12/2025	4	<0.0250	<0.0500	<20.0	43.1	68.6	43.1	111.7	6,600

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 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Delineation Soil Samples										
BH02	3/12/2025	6	<0.0250	<0.0500	<20.0	43.9	68.3	43.9	112.2	4,400
BH02	4/16/2025	8	<0.0250	<0.0500	<20.0	190	247	190	437	2,670
BH02	4/16/2025	9	<0.0250	<0.0500	<20.0	29.0	59.1	29.0	88.1	605
BH02	4/16/2025	10	<0.0250	<0.0500	<20.0	74.8	79.0	74.8	153.8	2,170
BH02	4/16/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	289
BH03	3/12/2025	0	<0.0250	<0.0500	<20.0	232	269	232	501	**20,700**
BH03	3/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
BH03	3/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	516
BH04	3/12/2025	0	<0.0250	0.0710	<20.0	455	1,570.0	455	2,025	3,370
BH04	3/12/2025	1	<0.0250	<0.0500	<20.0	32.1	71.8	32.1	103.9	501
BH04	3/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	209
BH05	3/12/2025	0	<0.0250	<0.0500	<20.0	22,900	1,730.0	**22,900**	**24,630**	2,370
BH05	3/12/2025	2	<0.0250	0.2019	<20.0	44.5	<50.0	44.5	44.5	343
BH05	3/12/2025	4	<0.0250	<0.0500	<20.0	537	<50.0	537	537	1,710
BH05	3/12/2025	6.5	<0.0250	<0.0500	<20.0	379	<50.0	379	379	321
BH05	4/16/2025	10	<0.0250	<0.0500	<20.0	169	<50.0	169	169	893
BH05	4/16/2025	12	<0.0250	<0.0500	<20.0	474	<50.0	474	474	501
BH05	4/16/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	86.9

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 2
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	171
FS02	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	249
FS03	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
FS04	5/9/2025	0.5	<0.0250	<0.0500	<20.0	28.2	<50.0	28.2	28.2	744
FS05	5/9/2025	0.5	<0.0250	<0.0500	<20.0	38.8	55.1	38.8	93.9	177
FS06	5/9/2025	0.5	<0.0250	<0.0500	<20.0	61.5	68.8	61.5	130.3	210
FS07	5/9/2025	0.5	<0.0250	<0.0500	<20.0	53.9	58.3	53.9	112.2	121
FS08	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
FS09	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
FS10	5/9/2025	0.5	<0.0250	<0.0500	<20.0	39.4	<50.0	39.4	39.4	347
FS11	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174
FS12	5/9/2025	0.5	<0.0250	<0.0500	<20.0	35.6	<50.0	35.6	35.6	315
FS13	5/9/2025	0.5	<0.0250	<0.0500	<20.0	27.9	<50.0	27.9	27.9	448
FS14	5/9/2025	0.5	<0.0250	<0.0500	<20.0	93.7	106	93.7	199.7	184
FS15	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS16	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	484
FS17	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	218
FS18	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
FS19	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,870
FS20	5/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,340
FS21	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.0	<50.0	36.0	36.0	2,350
FS22	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,530

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS23	5/8/2025	0.5	<0.0250	<0.0500	<20.0	26.0	<50.0	26.0	26.0	2,340
FS24	5/8/2025	0.5	<0.0250	<0.0500	<20.0	37.2	<50.0	37.2	37.2	3,390
FS25	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,480
FS26	5/9/2025	0.5	<0.0250	<0.0500	<20.0	26.2	<50.0	26.2	26.2	9,700
FS27	5/9/2025	0.5	<0.0250	<0.0500	<20.0	47.3	55.5	47.3	102.8	2,480
FS28	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	277
FS29	5/9/2025	0.5	<0.0250	<0.0500	<20.0	28.8	<50.0	28.8	28.8	2,150
FS30	5/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	848
FS31	5/9/2025	0.5	<0.0250	<0.0500	<20.0	43.9	62.3	43.9	106.2	3,050
FS32	5/9/2025	0.5	<0.0250	<0.0500	<20.0	280	452	280	732	3,020
FS33	5/9/2025	0.5	<0.0250	<0.0500	<20.0	481	990	481	1,471	1,080
FS34	5/9/2025	0.5	<0.0250	<0.0500	<20.0	454	761	454	1,215	2,500
FS35	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.9	79.7	36.9	116.6	3,870
FS36	5/9/2025	0.5	<0.0250	<0.0500	<20.0	188	215.0	188	403	5,370
FS37	5/14/2025	0.5	<0.0250	<0.0500	<20.0	475	859.0	475	1,334	5,320
FS38	5/9/2025	0.5	<0.0250	<0.0500	<20.0	44.6	85.2	44.6	129.8	50.5
FS39	5/9/2025	0.5	<0.0250	<0.0500	<20.0	32.1	69.1	32.1	101.2	117
FS40	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	116
FS41	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	182
FS42	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	320
FS43	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	736
FS44	5/12/2025	0.5	<0.0250	<0.0500	<20.0	29.7	<50.0	29.7	29.7	319

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS45	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	212
FS46	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	184
FS47	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
FS48	5/9/2025	0.5	<0.0250	<0.0500	<20.0	105	186	105	291	3,060
FS49	5/12/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,620
FS50	5/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,190
FS51	5/13/2025	3	<0.0250	<0.0500	<20.0	41.2	<50.0	41.2	41.2	3,010
FS52	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
FS53	5/12/2025	0.5	<0.0250	<0.0500	<20.0	68.0	<50.0	68.0	<50.0	396
FS54	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS55	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,110
FS56	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	863
FS57	5/9/2025	0.5	<0.0250	<0.0500	<20.0	108	135	108	243	1,980
FS58	5/13/2025	3	<0.0250	<0.0500	<20.0	30.2	<50.0	30.2	30.2	3,620
FS59	5/14/2025	0.5	<0.0250	<0.0500	<20.0	146	101	146	247	1,820
FS60	5/15/2025	0.5	<0.0250	<0.0500	<20.0	290	134	290	424	5,280
FS61	5/14/2025	3	<0.0250	<0.0500	<20.0	35.2	<50.0	35.2	35.2	5,730
FS62	5/13/2025	3	<0.0250	<0.0500	<20.0	61.9	64.3	61.9	126.2	515
FS63	6/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,330
FS64	5/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,030
FS65	5/13/2025	3	<0.0250	<0.0500	<20.0	42.0	<50.0	42.0	42.0	1,410
FS66	5/13/2025	3	<0.0250	<0.0500	<20.0	39.2	50.5	39.2	89.7	543

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS67	5/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	243
FS68	5/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,390
FS69	5/13/2025	3	<0.0250	<0.0500	<20.0	25.5	<50.0	25.5	25.5	1,220
FS70	5/14/2025	1	<0.0250	<0.0500	<20.0	31.5	<50.0	31.5	31.5	1,000
FS71	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	462
FS72	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	192
FS73	5/12/2025	0.5	<0.0250	<0.0500	<20.0	89.1	84.6	89.1	173.7	486
FS74	5/14/2025	0.5	<0.0250	<0.0500	<20.0	218	249	218	467	641
FS75	5/12/2025	0.5	<0.0250	<0.0500	<20.0	67.6	115	67.6	182.6	3,580
FS76	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.9	<50.0	36.9	36.9	3,670
FS77	5/9/2025	0.5	<0.0250	<0.0500	<20.0	523	540	523	1,063	2,670
FS78	5/9/2025	0.5	<0.0250	<0.0500	<20.0	147	204	147	351	1,830
FS79	5/9/2025	0.5	<0.0250	<0.0500	<20.0	230	449	230	679	2,710
FS80	5/9/2025	0.5	<0.0250	<0.0500	<20.0	67.9	142	67.9	209.9	763
FS81	5/9/2025	0.5	<0.0250	<0.0500	<20.0	36.5	52.3	36.5	88.8	1,670
FS82	5/9/2025	0.5	<0.0250	<0.0500	<20.0	289	159	289	448	885
FS83	5/9/2025	0.5	<0.0250	<0.0500	<20.0	77.3	126	77.3	203.3	1,170
FS84	5/9/2025	0.5	<0.0250	<0.0500	<20.0	79.1	90.5	79.1	169.6	2,020
FS85	5/14/2025	0.5	<0.0250	<0.0500	<20.0	426	304	426	730	5,200
FS86	5/14/2025	0.5	<0.0250	<0.0500	<20.0	238	106	238	344	3,170
FS87	5/14/2025	0.5	<0.0250	<0.0500	<20.0	290	147	290	437	4,280
FS88	5/14/2025	0.5	<0.0250	<0.0500	<20.0	144	96.3	144	240.3	2,730

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS89	5/15/2025	0.5	<0.0250	<0.0500	<20.0	240	144	240	384	1,970
FS90	5/14/2025	0.5	<0.0250	<0.0500	<20.0	44.8	<50.0	44.8	44.8	3,630
FS91	5/14/2025	0.5	<0.0250	<0.0500	<20.0	86.5	53.5	86.5	140	4,240
FS92	6/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,780
FS93	5/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,270
FS94	5/15/2025	0.5	<0.0250	<0.0500	<20.0	325	113	325	438	5,130
FS95	5/14/2025	0.5	<0.0250	<0.0500	<20.0	167	201	167	368	3,920
FS96	5/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,360
FS97	5/9/2025	0.5	<0.0250	<0.0500	<20.0	30.8	<50.0	30.8	30.8	4,290
FS98	5/14/2025	0.5	<0.0250	<0.0500	<20.0	105	66.7	105	171.7	1,400
FS99	5/13/2025	0.5	<0.0250	<0.0500	<20.0	25.4	<50.0	25.4	25.4	367
FS100	5/13/2025	0.5	<0.0250	<0.0500	<20.0	37.6	<50.0	37.6	37.6	1,930
FS101	5/13/2025	0.5	<0.0250	<0.0500	<20.0	49.1	53.0	49.1	102	609
FS102	5/13/2025	0.5	<0.0250	<0.0500	<20.0	47.9	<50.0	47.9	47.9	780
FS103	5/13/2025	0.5	<0.0250	<0.0500	<20.0	64.1	72.8	64.1	136.9	861
FS104	5/14/2025	0.5	<0.0250	<0.0500	<20.0	184	141	184	325	5,130
FS105	5/15/2025	0.5	<0.0250	<0.0500	<20.0	123	115	123	238	699
FS106	5/15/2025	0.5	<0.0250	<0.0500	<20.0	35.2	52.6	35.2	87.8	6,000
FS107	5/14/2025	0.5	<0.0250	<0.0500	<20.0	92.8	<50.0	92.8	92.8	3,630
FS108	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
FS109	5/13/2025	0.5	<0.0250	<0.0500	<20.0	137	97.7	137	235	2,460
FS110	5/13/2025	0.5	<0.0250	<0.0500	<20.0	106	96.3	106	202	741

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS111	5/12/2025	0.5	<0.0250	<0.0500	<20.0	863	<50.0	863	863	1,840
FS112	5/13/2025	0.5	<0.0250	<0.0500	<20.0	158	<50.0	158	158	1,260
FS113	5/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	759
FS114	5/14/2025	0.5	<0.0250	<0.0500	<20.0	136	93.9	136	230	1,740
FS115	5/13/2025	3	<0.0250	<0.0500	<20.0	66.2	68.1	66.2	134.3	1,580
FS116	5/14/2025	0.5	<0.0250	<0.0500	<20.0	96.3	51.5	96.3	147.8	5,950
FS117	5/14/2025	0.5	<0.0250	<0.0500	<20.0	131	97.3	131	228	3,480
FS118	5/14/2025	1	<0.0250	<0.0500	<20.0	40.0	<50.0	40.0	40.0	1,070
FS119	5/14/2025	1	<0.0250	<0.0500	<20.0	37.0	<50.0	37.0	37.0	2,970
FS120	5/14/2025	0.5	<0.0250	<0.0500	<20.0	338	389	338	727	2,780
FS121	5/12/2025	0.5	<0.0250	<0.0500	<20.0	34.6	<50.0	34.6	34.6	1,170
FS122	5/12/2025	0.5	<0.0250	<0.0500	<20.0	119	134	119	253	3,520
FS123	5/14/2025	1	<0.0250	<0.0500	<20.0	237	186	237	423	1,120
FS124	5/12/2025	1	<0.0250	<0.0500	<20.0	37.9	<50.0	37.9	37.9	1,220
FS125	5/12/2025	0.5	<0.0250	<0.0500	<20.0	174	167	174	341	1,040
FS126	5/14/2025	1	<0.0250	<0.0500	<20.0	84.1	83.5	84.1	167.6	921
FS127	5/12/2025	0.5	<0.0250	<0.0500	<20.0	284	210	284	494	2,120
FS128	5/14/2025	0.5	<0.0250	<0.0500	<20.0	109	101	109	210	2,730
FS129	5/14/2025	0.5	<0.0250	<0.0500	<20.0	988	1,820	988	2,808	614
FS129	6/2/2025	1	<0.0250	<0.0500	<20.0	725	1,380	725	2,105	2,460
FS130	6/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,350
FS131	5/14/2025	0.5	<0.0250	<0.0500	<20.0	486	728	486	1,214	4,200

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Excavation Floor Soil Samples										
FS132	5/14/2025	0.5	<0.0250	<0.0500	<20.0	499	376	499	875	2,590
FS133	5/14/2025	0.5	<0.0250	<0.0500	<20.0	27.6	<50.0	27.6	27.6	3,790
FS134	5/12/2025	0.5	<0.0250	<0.0500	<20.0	57.0	<50.0	57.0	57.0	3,340
FS134	5/14/2025	0.5	<0.0250	<0.0500	<20.0	279	99.6	279	378.6	5,430
FS135	5/14/2025	0.5	<0.0250	<0.0500	<20.0	220	80.6	220	300.6	3,550
FS136	5/12/2025	2	<0.0250	<0.0500	<20.0	464	<50.0	464	464	356
FS137	5/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.6
FS138	5/13/2025	2	<0.0250	<0.0500	<20.0	37.3	<50.0	37.3	37.3	29.1
FS139	5/13/2025	2	<0.0250	<0.0500	<20.0	95.7	<50.0	95.7	95.7	146
FS140	5/12/2025	2	<0.0250	<0.0500	<20.0	575	107	575	682	751
FS141	5/12/2025	2	<0.0250	<0.0500	<20.0	667	<50.0	667	667	1,270
FS142	5/12/2025	0.5	<0.0250	<0.0500	<20.0	134	84.1	134	218.1	1,420
FS143	5/12/2025	0.5	<0.0250	<0.0500	<20.0	410	208	410	618	1,070
FS144	5/13/2025	2	<0.0250	<0.0500	<20.0	185	<50.0	185	185	112
FS145	5/12/2025	2	<0.0250	<0.0500	<20.0	246	<50.0	246	246	232
FS146	6/2/2025	2	<0.0250	<0.0500	<20.0	37.9	<50.0	37.9	37.9	98.0
FS147	5/12/2025	0.5	<0.0250	<0.0500	<20.0	647	877	647	1,524	2,170
FS148	6/2/2025	1	<0.0250	<0.0500	<20.0	43.8	67.0	43.8	111	887
FS149	5/12/2025	2	<0.0250	<0.0500	<20.0	269	<50.0	269	269	228
FS150	5/12/2025	0.5	<0.0250	<0.0500	<20.0	275	141	275	416	1,840
FS151	5/12/2025	0.5	<0.0250	<0.0500	<20.0	60.0	<50.0	60.0	60.0	1,110

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
Charles Ling 224 Well Pad & Charles Ling 223 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**	**1,000**	**2,500**	**10,000**
Sidewall Soil Samples										
SW01	5/15/2025	0-1	<0.0250	<0.0500	<20.0	594	999	594	1,593	4,290
SW02	5/14/2025	0-2	<0.0250	<0.0500	<20.0	65.7	<50.0	65.7	65.7	148

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

OSE DIT AUG 21 2023 PM2:00

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C-4753-POD1		

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Resources	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
205 E. Bender Road #150	Hobbs	NM	88240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	15'	14.6"	N
	LONGITUDE	103	32'	41.3"	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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7-27-23	7-27-23	55'	55'	Dry

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): Dry

DATE STATIC MEASURED:

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

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	45	6	2" PVC SCH 40	Thread	2"	SCH 40	-
45	55	6	2" PVC SCH 40	Thread	2"	SCH 40	.02

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 *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None pulled and plugged		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04753	POD NO. 1	TRN NO. 748814
LOCATION 23S.33E.35.443	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	10	10	White caliche rock	Y ✓ N	
10	20	10	Red coarse sand	Y ✓ N	
20	40	20	Red medium course sand with small rock	Y ✓ N	
40	55	15	Tan fine sand	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

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:

OSE DII AUG 21 2023 PM2:01

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

Jason Maley

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:

Jason Maley — 8-7-23

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04753	POD NO. 1	TRN NO. 748814
LOCATION 23S.33E.35.443	WELL TAG ID NO.	PAGE 2 OF 2

ENSOLUM

APPENDIX B

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 03/12/2025
	Site Name: Charles Ling 224 & 223H Well Pad	
	Incident Number: nAPP2501442555 & nAPP2505848368	
	Job Number: 03A2270067 & 03A2270076	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates: 32.252568, -103.537910	Hole Diameter: 3"	Total Depth: 1'

Comments: Field screening conducted with HACH® Chloride Test Strips and PetroFLAG® Soil Analyzer 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
D			N	BH01	0	0	CCHE	Pad Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Non-Uniform
D	ND	8	N	BH01	1	1	CCHE	See BH02 for description.

Total Depth @ 1-foot bgs.

ENSOLUM

Sample Name: BH02	Date: 04/16/2025
Site Name: Charles Ling 224 & 223H Well Pad	
Incident Number: nAPP2501442555 & nAPP2505848368	
Job Number: 03A2270067 & 03A2270076	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez / Method: 7822DT
Coordinates: 32.252929, -10.537646	Hole Diameter: 6" / Total Depth: 11'

Comments: Field screening conducted with HACH® Chloride Test Strips and a PetroFLAG® Soil Analyzer 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	BH02	0	0	CCHE	Pad Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Non-Uniform
D		0.0	N		1	1		
D		0.0	N	BH02	2	2		
D		0.0	N		3	3		
D		0.0	N	BH02	4	4		
D		0.0	N		5	5		
D	1,579	0.0	N	BH02	6	6	CCHE	Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Massive, Non-Uniform
D	>3,590		N	BH02	7	7		
D	2,654		N	BH02	8	8		
D	638		N	BH02	9	9		
D	2,296		N	BH02	10	10		
D	364	49	N	BH02	11	11		

ENSOLUM	Sample Name: BH03	Date: 03/12/2025
	Site Name: Charles Ling 224 & 223H Well Pad	
	Incident Number: nAPP2501442555 & nAPP2505848368	
	Job Number: 03A2270067 & 03A2270076	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Backhoe
Coordinates: 32.253041, -103.537415	Hole Diameter: 2'	Total Depth: 6'

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				BH03	0	0	CCHE	Pad Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Non-Uniform
D	162	0.0		BH03	1	1		
D	403	0.0		BH03	2	2		
D		0.0			3	3	CCHE	Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Massive, Non-Uniform
D		0.0			4	4		
D		0.0			5	5		
D	ND	0.0			6	6		

Total depth @ 6 feet bgs.

ENSOLUM	Sample Name: BH04	Date: 03/12/2025
	Site Name: Charles Ling 224 & 223H Well Pad	
	Incident Number: nAPP2501442555 & nAPP2505848368	
	Job Number: 03A2270067 & 03A2270076	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Backhoe
Coordinates: 32.253238, -103.537784	Hole Diameter: 2'	Total Depth: 6'

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	BH04		0	CCHE	Pad Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Non-Uniform
D	834	0.0	N	BH04		1		
D	198	0.0	N	BH04		2		
D		0.0	N			3	CCHE	Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Massive, Non-Uniform
D		0.4	N			4		
D		0.0	N			5		
D	ND	0.0	N			6		

Total depth @ 6 feet bgs.

ENSOLUM	Sample Name: BH05	Date: 04/16/2025
	Site Name: Charles Ling 224 & 223H Well Pad	
	Incident Number: nAPP2501442555 & nAPP2505848368	
	Job Number: 03A2270067 & 03A2270076	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: 7822DT
Coordinates: 32.253,290, -103.537609	Hole Diameter: 6"	Total Depth: 14'

Comments: Field screening conducted with HACH® Chloride Test Strips and a PetroFLAG® Soil Analyzer 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
D			Y	BH05	0	0	CCHE	Pad Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Non-Uniform
M		100.9	Y			1	CL	Fat clay with trace amounts of gravel and sand, dark black, stained, hydrocarbon odor, noncohesive, low plasticity.
M		12.6	Y	BH05	2	2		
M		15.7	Y			3		
M		16.8	Y	BH05	4	4		
M		9	Y			5		
M		17.7	Y			6		
M		7.9	Y	BH05	6.5	7	CCHE	Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Massive, Non-Uniform
			D			8	CL	Fat clay with trace amounts of gravel and sand, dark black, stained, hydrocarbon odor, noncohesive, low plasticity.
			D			9		
D	997		D	BH05	10	10	CCHE	Caliche - White to light brown, Fine to coarse with some small to large gravel, Dry, Non-plastic, Noncohesive, Massive, Non-Uniform
D	515		D	BH05	12	12		
D	ND		D	BH05	14	14		

ENSOLUM

APPENDIX C

Photographic Log

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



Photograph 1 Date: 1/14/2025
Description: Charles Ling #224 Well Pad (Spill Area)
View: Southeast



Photograph 2 Date: 02/27/2025
Description: Charles Ling #223H Well Pad (Spill Area)
View: Northwest



Photograph 3 Date: 02/27/2025
Description: Charles Ling #223H Well Pad (Spill Area)
View: West



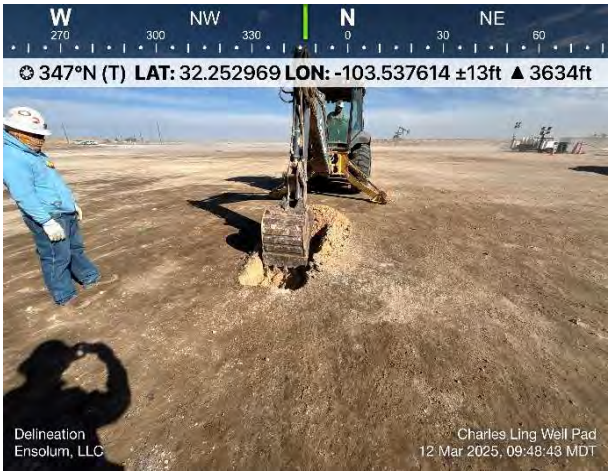
Photograph 4 Date: 03/05/2025
Description: Charles Ling #223H Well Pad Delineation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



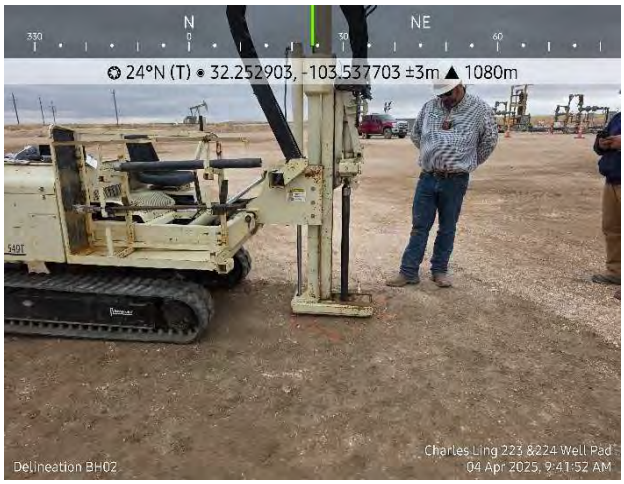
Photograph 5 Date: 03/05/2025
Description: Charles Ling #223H Well Pad Delineation
View: Northeast



Photograph 6 Date: 03/12/2025
Description: Charles Ling #223H Well Pad Delineation
View: North



Photograph 7 Date: 03/12/2025
Description: Charles Ling #223H Well Pad Delineation
View: Northwest



Photograph 8 Date: 04/04/2025
Description: Charles Ling #224 Well Pad Delineation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



Photograph 9 Date: 04/16/2025
Description: Charles Ling #224 Well Pad Delineation
View: Northwest



Photograph 10 Date: 04/16/2025
Description: Charles Ling #224 Well Pad Delineation
View: North



Photograph 11 Date: 04/16/2025
Description: Charles Ling #224 Well Pad Delineation
View: Southeast



Photograph 12 Date: 04/16/2025
Description: Charles Ling #224 Well Pad Delineation
View: Southeast

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



Photograph 13 Date: 05/08/2025
Description: Excavation Activities 224 & 223H Well Pad
View: North



Photograph 14 Date: 05/08/2025
Description: Excavation Activities 224 & 223H Well Pad
View: Northwest



Photograph 15 Date: 05/09/2025
Description: Excavation Activities 224 & 223H Well Pad
View: Northwest



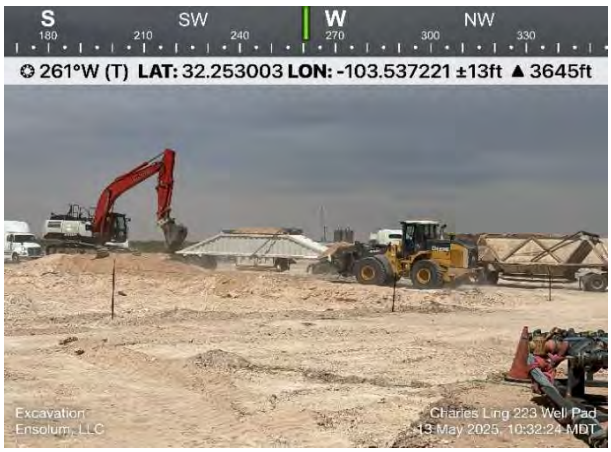
Photograph 16 Date: 05/09/2025
Description: Excavation Activities 224 & 223H Well Pad
View: Southeast

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



Photograph 17 Date: 05/12/2025
Description: Excavation Activities 224 & 223H Well Pad
View: Northeast



Photograph 18 Date: 05/13/2025
Description: Excavation Activities 224 & 223H Well Pad
View: West



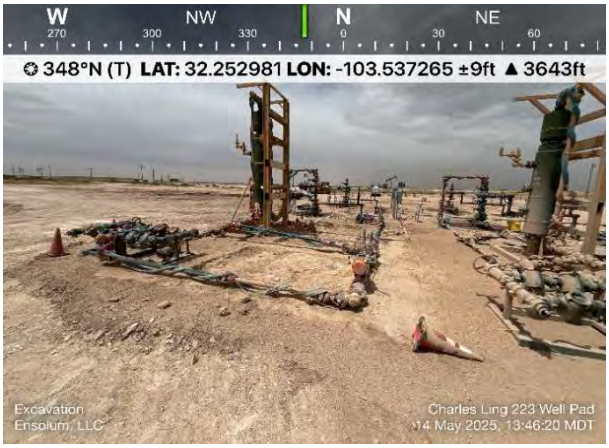
Photograph 19 Date: 05/13/2025
Description: Hydrovac Activities 223 Well Pad
View: Southeast



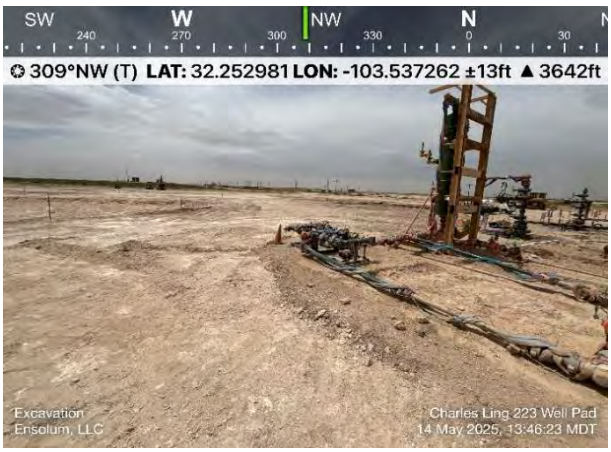
Photograph 20 Date: 06/14/2025
Description: Excavation Activities 224 & 223H Well Pad
View: North

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



Photograph 21 Date: 05/14/2025
Description: Confirmation Sampling 223H Well Pad
View: North



Photograph 22 Date: 05/14/2025
Description: Confirmation Sampling 223H Well Pad
View: Northwest



Photograph 23 Date: 05/15/2025
Description: Confirmation Sampling 224 Well Pad
View: Northeast



Photograph 24 Date: 05/15/2025
Description: Confirmation Sampling 224 Well Pad
View: South

ENSOLUM

Photographic Log
Matador Production Company
Charles Ling 224 Well Pad & Charles Ling 223H Well Pad
Incident Numbers: nAPP2501442555 & nAPP2505848368



Photograph 25 Date: 06/02/2025
Description: Backfill Activities 224 & 223H Well Pad
View: North



Photograph 26 Date: 06/02/2025
Description: Backfill Activities 224 & 223H Well Pad
View: East



Photograph 27 Date: 06/02/2025
Description: Backfill Activities 224 & 223H Well Pad
View: East



Photograph 28 Date: 06/02/2025
Description: Backfill Activities 224 & 223H Well Pad
View: Northeast

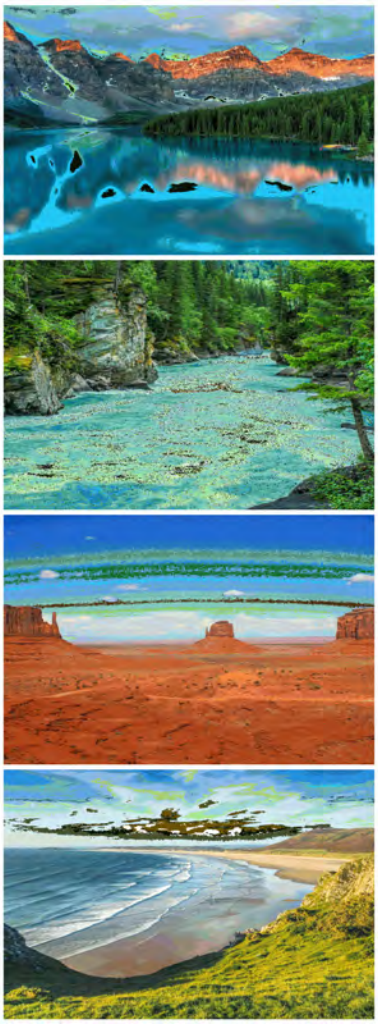
ENSOLUM

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:	Charles Ling Well Pad #223
Work Order:	E503041
Job Number:	23003-0002
Received:	3/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/12/25

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

Date Reported: 3/12/25

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

Project Name: Charles Ling Well Pad #223
Workorder: E503041
Date Received: 3/7/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/7/2025 7:45:00AM, under the Project Name: Charles Ling Well Pad #223.

The analytical test results summarized in this report with the Project Name: Charles Ling Well Pad #223 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SS01-0’ 5

SS01-0.5’ 6

SS03-0’ 7

QC Summary Data 8

QC - Volatile Organics by EPA 8021B 8

QC - Nonhalogenated Organics by EPA 8015D - GRO 9

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10

QC - Anions by EPA 300.0/9056A 11

Definitions and Notes 12

Chain of Custody etc. 13

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/12/25 10:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E503041-01A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
SS01-0.5'	E503041-02A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
SS03-0'	E503041-03A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 10:00:54AM

SS01-0'

E503041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.4 %*	*70-130*	*03/07/25*	*03/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*03/07/25*	*03/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511008
Diesel Range Organics (C10-C28)	**37.8**	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**321**	20.0	1	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 10:00:54AM

SS01-0.5'

E503041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.0 %*	*70-130*	*03/07/25*	*03/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*03/07/25*	*03/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**159**	20.0	1	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 10:00:54AM

SS03-0'

E503041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.8 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511008
Diesel Range Organics (C10-C28)	**40.2**	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**290**	20.0	1	03/07/25	03/07/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 10:00:54AM

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 (2510107-BLK1)									Prepared: 03/06/25 Analyzed: 03/06/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.39*		*8.00*		*79.9*	*70-130*			
LCS (2510107-BS1)									Prepared: 03/06/25 Analyzed: 03/06/25
Benzene	5.19	0.0250	5.00		104	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	4.92	0.0250	5.00		98.3	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.42*		*8.00*		*80.3*	*70-130*			
LCS Dup (2510107-BSD1)									Prepared: 03/06/25 Analyzed: 03/06/25
Benzene	5.02	0.0250	5.00		100	70-130	3.37	20	
Ethylbenzene	4.79	0.0250	5.00		95.7	70-130	3.39	20	
Toluene	4.92	0.0250	5.00		98.4	70-130	3.42	20	
o-Xylene	4.77	0.0250	5.00		95.4	70-130	2.99	20	
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130	3.20	20	
Total Xylenes	14.5	0.0250	15.0		96.6	70-130	3.13	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.39*		*8.00*		*79.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 10:00:54AM

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 (2510107-BLK1)									Prepared: 03/06/25 Analyzed: 03/06/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2510107-BS2)									Prepared: 03/06/25 Analyzed: 03/06/25
Gasoline Range Organics (C6-C10)	38.7	20.0	50.0		77.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS Dup (2510107-BSD2)									Prepared: 03/06/25 Analyzed: 03/07/25
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.3	70-130	8.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 10:00:54AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511008-BLK1)									Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
LCS (2511008-BS1)									Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	230	25.0	250		92.1	66-144			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
Matrix Spike (2511008-MS1)				**Source: E503041-03**					Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	266	25.0	250	40.2	90.3	56-156			
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2511008-MSD1)				**Source: E503041-03**					Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	275	25.0	250	40.2	94.1	56-156	3.50	20	
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 10:00:54AM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2510106-BLK1)									Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	ND	20.0							
LCS (2510106-BS1)									Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2510106-MS1)				**Source: E503042-04**					Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	35200	400	250	28200	NR	80-120			M4
Matrix Spike Dup (2510106-MSD1)				**Source: E503042-04**					Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	30000	400	250	28200	715	80-120	15.9	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/12/25 10:00

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503041	Job Number 23003.0002	1D 2D 3D Std: X
Project: Charles Ling Well Pad #223	Address: 3122 National Parks Hwy			NM: X; CO UT TX
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
9:52	3/5/2025	S	1	SS01 - 0'		1						X			
13:01	3/5/2025	S	1	SS01 - 0.5'		2						X			
12:55	3/5/2025	S	1	SS03 - 0'		3						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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
	3-6-25	07:11	Marissa Gonzales	3-6-25	0711
Marissa Gonzales	3-6-25	1400		3.6.25	1645
	3.6.25	2200		3/7/25	745
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: 3/7/2025 8:16:58AM

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:	03/07/25 07:45	Work Order ID:	E503041
Phone:	(972) 371-5200	Date Logged In:	03/06/25 15:10	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/13/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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

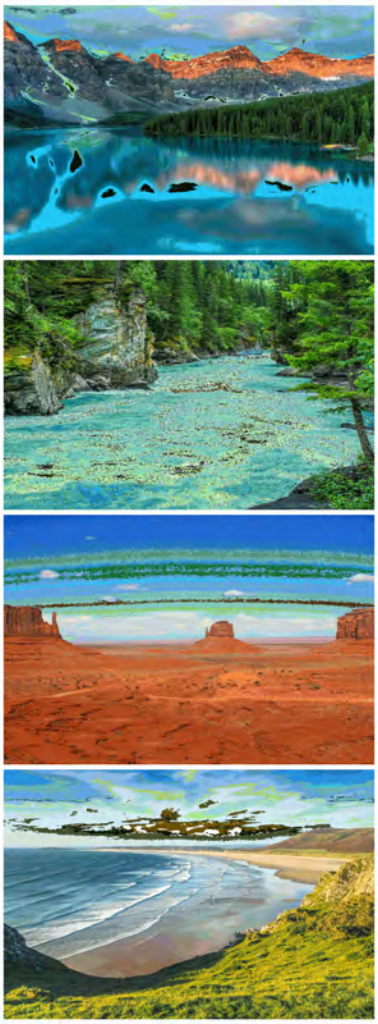
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling Well Pad #223
Work Order:	E503042
Job Number:	23003-0002
Received:	3/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/12/25

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

Date Reported: 3/12/25

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

Project Name: Charles Ling Well Pad #223
Workorder: E503042
Date Received: 3/7/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/7/2025 7:45:00AM, under the Project Name: Charles Ling Well Pad #223.

The analytical test results summarized in this report with the Project Name: Charles Ling Well Pad #223 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SS02-0’ 5

SS02-1’ 6

SS07-0’ 7

BH02-0’ 8

BH02-1’ 9

BH01-0’ 10

BH01-1’ 11

QC Summary Data 12

QC - Volatile Organics by EPA 8021B 12

QC - Nonhalogenated Organics by EPA 8015D - GRO 13

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14

QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/12/25 12:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E503042-01A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
SS02-1'	E503042-02A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
SS07-0'	E503042-03A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH02-0'	E503042-04A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH02-1'	E503042-05A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH01-0'	E503042-06A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH01-1'	E503042-07A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

SS02-0'

E503042-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.6 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2510105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/07/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/07/25*	*03/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**253**	20.0	1	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

SS02-1'

E503042-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.2 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2510105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/07/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/07/25*	*03/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**49.8**	20.0	1	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

SS07-0'

E503042-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.0 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2510105
Diesel Range Organics (C10-C28)	**77.7**	25.0	1	03/07/25	03/07/25	
Oil Range Organics (C28-C36)	**80.9**	50.0	1	03/07/25	03/07/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*03/07/25*	*03/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**402**	20.0	1	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

BH02-0'

E503042-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.8 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2510105
Diesel Range Organics (C10-C28)	**3300**	50.0	2	03/07/25	03/07/25	T17
Oil Range Organics (C28-C36)	**4240**	100	2	03/07/25	03/07/25	T17
Surrogate: n-Nonane		*107 %*	*61-141*	*03/07/25*	*03/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**28200**	400	20	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

BH02-1'

E503042-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.4 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2510105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/07/25	
Oil Range Organics (C28-C36)	**56.9**	50.0	1	03/07/25	03/07/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/07/25*	*03/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**10400**	200	10	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

BH01-0'

E503042-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.6 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2510105
Diesel Range Organics (C10-C28)	**150**	25.0	1	03/07/25	03/07/25	
Oil Range Organics (C28-C36)	**200**	50.0	1	03/07/25	03/07/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/07/25*	*03/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	**1860**	40.0	2	03/07/25	03/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

BH01-1'

E503042-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Benzene	ND	0.0250	1	03/07/25	03/08/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/08/25	
Toluene	ND	0.0250	1	03/07/25	03/08/25	
o-Xylene	ND	0.0250	1	03/07/25	03/08/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/08/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.5 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2510107
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*03/07/25*	*03/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2510105
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/07/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/07/25*	*03/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2510106
Chloride	ND	20.0	1	03/07/25	03/07/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

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 (2510107-BLK1)									Prepared: 03/06/25 Analyzed: 03/06/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.39*		*8.00*		*79.9*	*70-130*			
LCS (2510107-BS1)									Prepared: 03/06/25 Analyzed: 03/06/25
Benzene	5.19	0.0250	5.00		104	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	4.92	0.0250	5.00		98.3	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.42*		*8.00*		*80.3*	*70-130*			
LCS Dup (2510107-BSD1)									Prepared: 03/06/25 Analyzed: 03/06/25
Benzene	5.02	0.0250	5.00		100	70-130	3.37	20	
Ethylbenzene	4.79	0.0250	5.00		95.7	70-130	3.39	20	
Toluene	4.92	0.0250	5.00		98.4	70-130	3.42	20	
o-Xylene	4.77	0.0250	5.00		95.4	70-130	2.99	20	
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130	3.20	20	
Total Xylenes	14.5	0.0250	15.0		96.6	70-130	3.13	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.39*		*8.00*		*79.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

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 (2510107-BLK1)									Prepared: 03/06/25 Analyzed: 03/06/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2510107-BS2)									Prepared: 03/06/25 Analyzed: 03/06/25
Gasoline Range Organics (C6-C10)	38.7	20.0	50.0		77.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS Dup (2510107-BSD2)									Prepared: 03/06/25 Analyzed: 03/07/25
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.3	70-130	8.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

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 (2510105-BLK1)									Prepared: 03/07/25 Analyzed: 03/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*61-141*			
LCS (2510105-BS1)									Prepared: 03/07/25 Analyzed: 03/07/25
Diesel Range Organics (C10-C28)	250	25.0	250		99.9	66-144			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*61-141*			
Matrix Spike (2510105-MS1)				**Source: E503043-02**					Prepared: 03/07/25 Analyzed: 03/07/25
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*61-141*			
Matrix Spike Dup (2510105-MSD1)				**Source: E503043-02**					Prepared: 03/07/25 Analyzed: 03/07/25
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156	2.30	20	
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/12/2025 12:08:27PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2510106-BLK1)									Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	ND	20.0							
LCS (2510106-BS1)									Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2510106-MS1)				**Source: E503042-04**					Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	35200	400	250	28200	NR	80-120			M4
Matrix Spike Dup (2510106-MSD1)				**Source: E503042-04**					Prepared: 03/07/25 Analyzed: 03/07/25
Chloride	30000	400	250	28200	715	80-120	15.9	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad #223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/12/25 12:08

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
T17	The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503042	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project: Charles Ling Well Pad #223	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
9:56	3/5/2025	S	1	SS02 - 0'		1						X						
11:00	3/5/2025	S	1	SS02 - 1'		2						X						
13:31	3/5/2025	S	1	SS07 - 0'		3						X						
11:50	3/5/2025	S	1	BH02 - 0'		4						X						
12:00	3/5/2025	S	1	BH02 - 1'		5						X						
11:07	3/5/2025	S	1	BH01 - 0'		6						X						
11:27	3/5/2025	S	1	BH01 - 1'		7						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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
	3-6-25	07:11	Marissa Gonzales	3-6-25	0711
Marissa Gonzales	3-6-25	1400		3.6.25	1645
	3.6.25	2200		3/7/25	745

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: 3/7/2025 8:17:50AM

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:	03/07/25 07:45	Work Order ID:	E503042
Phone:	(972) 371-5200	Date Logged In:	03/06/25 15:28	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/13/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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

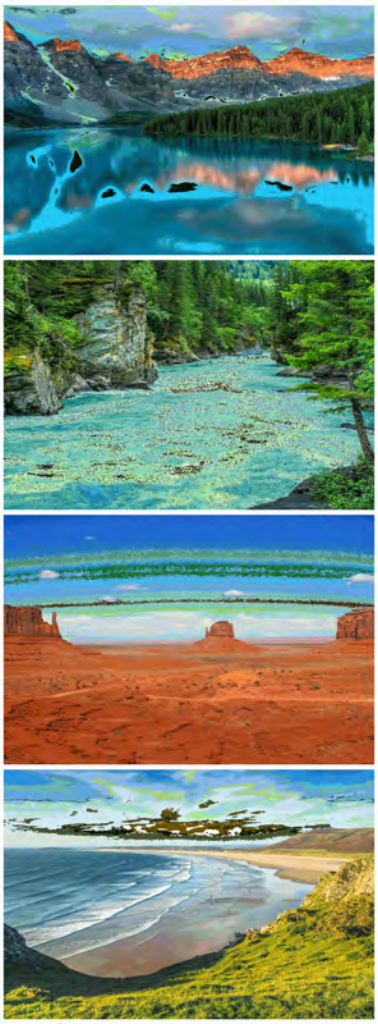
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling #223 Well Pad
Work Order:	E503049
Job Number:	23003-0002
Received:	3/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/13/25

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

Date Reported: 3/13/25

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

Project Name: Charles Ling #223 Well Pad
Workorder: E503049
Date Received: 3/10/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/10/2025 8:15:00AM, under the Project Name: Charles Ling #223 Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling #223 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- SS04-0’ 5
- SS06-0’ 6
- SS08-0’ 7
- SS09-0’ 8
- SS10-0’ 9

QC Summary Data 10

- QC - Volatile Organics by EPA 8021B 10
- QC - Nonhalogenated Organics by EPA 8015D - GRO 11
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 12
- QC - Anions by EPA 300.0/9056A 13

Definitions and Notes 14

Chain of Custody etc. 15

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/13/25 08:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04-0'	E503049-01A	Soil	03/06/25	03/10/25	Glass Jar, 2 oz.
SS06-0'	E503049-02A	Soil	03/06/25	03/10/25	Glass Jar, 2 oz.
SS08-0'	E503049-03A	Soil	03/06/25	03/10/25	Glass Jar, 2 oz.
SS09-0'	E503049-04A	Soil	03/06/25	03/10/25	Glass Jar, 2 oz.
SS10-0'	E503049-05A	Soil	03/06/25	03/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

SS04-0'

E503049-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Benzene	ND	0.0250	1	03/10/25	03/10/25	
Ethylbenzene	ND	0.0250	1	03/10/25	03/10/25	
Toluene	ND	0.0250	1	03/10/25	03/10/25	
o-Xylene	ND	0.0250	1	03/10/25	03/10/25	
p,m-Xylene	ND	0.0500	1	03/10/25	03/10/25	
Total Xylenes	ND	0.0250	1	03/10/25	03/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/25	03/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511007
Diesel Range Organics (C10-C28)	**43.8**	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*95.7 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511004
Chloride	**217**	20.0	1	03/10/25	03/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

SS06-0'

E503049-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Benzene	ND	0.0250	1	03/10/25	03/10/25	
Ethylbenzene	ND	0.0250	1	03/10/25	03/10/25	
Toluene	ND	0.0250	1	03/10/25	03/10/25	
o-Xylene	ND	0.0250	1	03/10/25	03/10/25	
p,m-Xylene	ND	0.0500	1	03/10/25	03/10/25	
Total Xylenes	ND	0.0250	1	03/10/25	03/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/25	03/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*97.0 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511004
Chloride	**474**	20.0	1	03/10/25	03/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

SS08-0'

E503049-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Benzene	ND	0.0250	1	03/10/25	03/10/25	
Ethylbenzene	ND	0.0250	1	03/10/25	03/10/25	
Toluene	ND	0.0250	1	03/10/25	03/10/25	
o-Xylene	ND	0.0250	1	03/10/25	03/10/25	
p,m-Xylene	ND	0.0500	1	03/10/25	03/10/25	
Total Xylenes	ND	0.0250	1	03/10/25	03/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/25	03/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511007
Diesel Range Organics (C10-C28)	**48.6**	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511004
Chloride	**388**	20.0	1	03/10/25	03/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

SS09-0'

E503049-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Benzene	ND	0.0250	1	03/10/25	03/10/25	
Ethylbenzene	ND	0.0250	1	03/10/25	03/10/25	
Toluene	ND	0.0250	1	03/10/25	03/10/25	
o-Xylene	ND	0.0250	1	03/10/25	03/10/25	
p,m-Xylene	ND	0.0500	1	03/10/25	03/10/25	
Total Xylenes	ND	0.0250	1	03/10/25	03/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/25	03/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511007
Diesel Range Organics (C10-C28)	**40.9**	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511004
Chloride	**108**	20.0	1	03/10/25	03/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

SS10-0'

E503049-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Benzene	ND	0.0250	1	03/10/25	03/10/25	
Ethylbenzene	ND	0.0250	1	03/10/25	03/10/25	
Toluene	ND	0.0250	1	03/10/25	03/10/25	
o-Xylene	ND	0.0250	1	03/10/25	03/10/25	
p,m-Xylene	ND	0.0500	1	03/10/25	03/10/25	
Total Xylenes	ND	0.0250	1	03/10/25	03/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/25	03/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*03/10/25*	*03/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511007
Diesel Range Organics (C10-C28)	**49.2**	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
Surrogate: n-Nonane		*98.0 %*	*61-141*	*03/10/25*	*03/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511004
Chloride	**292**	20.0	1	03/10/25	03/10/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

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 (2511006-BLK1)									Prepared: 03/10/25 Analyzed: 03/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*98.9*	*70-130*			
LCS (2511006-BS1)									Prepared: 03/10/25 Analyzed: 03/10/25
Benzene	5.33	0.0250	5.00		107	70-130			
Ethylbenzene	5.20	0.0250	5.00		104	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
Matrix Spike (2511006-MS1)				**Source: E503049-04**					Prepared: 03/10/25 Analyzed: 03/10/25
Benzene	5.68	0.0250	5.00	ND	114	54-133			
Ethylbenzene	5.54	0.0250	5.00	ND	111	61-133			
Toluene	5.64	0.0250	5.00	ND	113	61-130			
o-Xylene	5.55	0.0250	5.00	ND	111	63-131			
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131			
Total Xylenes	16.8	0.0250	15.0	ND	112	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.26*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2511006-MSD1)				**Source: E503049-04**					Prepared: 03/10/25 Analyzed: 03/10/25
Benzene	5.56	0.0250	5.00	ND	111	54-133	2.11	20	
Ethylbenzene	5.42	0.0250	5.00	ND	108	61-133	2.25	20	
Toluene	5.51	0.0250	5.00	ND	110	61-130	2.22	20	
o-Xylene	5.42	0.0250	5.00	ND	108	63-131	2.29	20	
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131	2.21	20	
Total Xylenes	16.4	0.0250	15.0	ND	110	63-131	2.23	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

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 (2511006-BLK1)									Prepared: 03/10/25 Analyzed: 03/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.6*	*70-130*			
LCS (2511006-BS2)									Prepared: 03/10/25 Analyzed: 03/10/25
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0		78.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2511006-MS2)				**Source: E503049-04**					Prepared: 03/10/25 Analyzed: 03/10/25
Gasoline Range Organics (C6-C10)	40.1	20.0	50.0	ND	80.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.3*	*70-130*			
Matrix Spike Dup (2511006-MSD2)				**Source: E503049-04**					Prepared: 03/10/25 Analyzed: 03/10/25
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130	0.612	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511007-BLK1)									Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.1*	*61-141*			
LCS (2511007-BS1)									Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	225	25.0	250		90.0	66-144			
Surrogate: n-Nonane	*47.6*		*50.0*		*95.2*	*61-141*			
Matrix Spike (2511007-MS1)				**Source: E503049-05**					Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	275	25.0	250	49.2	90.3	56-156			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.3*	*61-141*			
Matrix Spike Dup (2511007-MSD1)				**Source: E503049-05**					Prepared: 03/10/25 Analyzed: 03/10/25
Diesel Range Organics (C10-C28)	278	25.0	250	49.2	91.4	56-156	0.977	20	
Surrogate: n-Nonane	*49.5*		*50.0*		*99.1*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling #223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/13/2025 8:53:22AM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511004-BLK1)									Prepared: 03/10/25 Analyzed: 03/10/25
Chloride	ND	20.0							
LCS (2511004-BS1)									Prepared: 03/10/25 Analyzed: 03/10/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2511004-MS1)				**Source: E503050-07**					Prepared: 03/10/25 Analyzed: 03/10/25
Chloride	274	20.0	250	ND	109	80-120			
Matrix Spike Dup (2511004-MSD1)				**Source: E503050-07**					Prepared: 03/10/25 Analyzed: 03/10/25
Chloride	274	20.0	250	ND	110	80-120	0.0858	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:	Charles Ling #223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/13/25 08:53

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

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503049	1D 2D 3D Std	NM CO UT TX
Project: Charles Ling #223 Well Pad	Address: 3122 National Parks Hwy	Job Number 25030002	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
9:36	3/6/2025	Soil	1	SS04 - 0'		1						X						
10:44	3/6/2025	Soil	1	SS06 - 0'		2						X						
12:32	3/6/2025	Soil	1	SS08 - 0'		3						X						
14:31	3/6/2025	Soil	1	SS09 - 0'		4						X						
11:58	3/6/2025	Soil	1	SS10 - 0'		5						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jhinkle@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: Jenna Hinkle / Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	3/7/2025		Michelle Gonzales	3-7-25	0930
Michelle Gonzales	3-7-25	1600		3.7.25	1600
	3.7.25	2300	Caleb Mar	3.10.25	815
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: 3/10/2025 8:43:04AM

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:	03/10/25 08:15	Work Order ID:	E503049
Phone:	(972) 371-5200	Date Logged In:	03/07/25 15:14	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/14/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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:	Charles Ling Well Pad
Work Order:	E503097
Job Number:	23003-0002
Received:	3/14/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/19/25

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

Date Reported: 3/19/25

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

Project Name: Charles Ling Well Pad
Workorder: E503097
Date Received: 3/14/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/14/2025 4:30:00AM, under the Project Name: Charles Ling Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH02-2’ 5
- BH02-4’ 6
- BH02-6’ 7
- BH03-0’ 8
- BH03-1’ 9
- BH03-2’ 10
- BH04-0’ 11
- BH04-1’ 12
- BH04-2’ 13
- BH05-0’ 14
- BH05-2’ 15
- BH05-4’ 16
- BH05-6.5’ 17

QC Summary Data 18

- QC - Volatile Organics by EPA 8021B 18
- QC - Nonhalogenated Organics by EPA 8015D - GRO 19
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 20
- QC - Anions by EPA 300.0/9056A 22

Definitions and Notes 23

Chain of Custody etc. 24

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/25 15:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-2'	E503097-01A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH02-4'	E503097-02A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH02-6'	E503097-03A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH03-0'	E503097-04A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH03-1'	E503097-05A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH03-2'	E503097-06A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH04-0'	E503097-07A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH04-1'	E503097-08A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH04-2'	E503097-09A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH05-0'	E503097-10A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH05-2'	E503097-11A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH05-4'	E503097-12A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
BH05-6.5'	E503097-13A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH02-2'

E503097-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.1 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	**418**	25.0	1	03/14/25	03/18/25	
Oil Range Organics (C28-C36)	**731**	50.0	1	03/14/25	03/18/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/14/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**10800**	200	10	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH02-4'

E503097-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.7 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	**43.1**	25.0	1	03/14/25	03/18/25	
Oil Range Organics (C28-C36)	**68.6**	50.0	1	03/14/25	03/18/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/14/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**6600**	100	5	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH02-6'

E503097-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.7 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	**43.9**	25.0	1	03/14/25	03/18/25	
Oil Range Organics (C28-C36)	**68.3**	50.0	1	03/14/25	03/18/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/14/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**4400**	100	5	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH03-0'

E503097-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.8 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	**232**	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	**269**	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**20700**	200	10	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH03-1'

E503097-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.0 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**253**	20.0	1	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH03-2'

E503097-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.8 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**516**	20.0	1	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH04-0'

E503097-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	**0.0710**	0.0500	1	03/14/25	03/15/25	
Total Xylenes	**0.0710**	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.8 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	**455**	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	**1570**	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**3370**	40.0	2	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH04-1'

E503097-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.7 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	**32.1**	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	**71.8**	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**501**	20.0	1	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH04-2'

E503097-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.2 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**209**	20.0	1	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH05-0'

E503097-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.2 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2511078
Diesel Range Organics (C10-C28)	**22900**	125	5	03/14/25	03/18/25	
Oil Range Organics (C28-C36)	**1730**	250	5	03/14/25	03/18/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/14/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**2370**	40.0	2	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH05-2'

E503097-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	**0.0799**	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	**0.122**	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	**0.122**	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.8 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2511079
Diesel Range Organics (C10-C28)	**44.5**	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**343**	20.0	1	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH05-4'

E503097-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.0 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2511079
Diesel Range Organics (C10-C28)	**537**	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**1710**	20.0	1	03/14/25	03/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

BH05-6.5'

E503097-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.3 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*03/14/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2511079
Diesel Range Organics (C10-C28)	**379**	25.0	1	03/14/25	03/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/14/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/14/25*	*03/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2511071
Chloride	**321**	20.0	1	03/14/25	03/14/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

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 (2511072-BLK1)									Prepared: 03/14/25 Analyzed: 03/14/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.39*		*8.00*		*79.9*	*70-130*			
LCS (2511072-BS1)									Prepared: 03/14/25 Analyzed: 03/14/25
Benzene	4.76	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.6	70-130			
Toluene	4.67	0.0250	5.00		93.4	70-130			
o-Xylene	4.53	0.0250	5.00		90.6	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.7	0.0250	15.0		91.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.38*		*8.00*		*79.8*	*70-130*			
Matrix Spike (2511072-MS1)				**Source: E503097-03**					Prepared: 03/14/25 Analyzed: 03/15/25
Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133			
Toluene	4.99	0.0250	5.00	ND	99.8	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131			
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.31*		*8.00*		*78.9*	*70-130*			
Matrix Spike Dup (2511072-MSD1)				**Source: E503097-03**					Prepared: 03/14/25 Analyzed: 03/15/25
Benzene	5.37	0.0250	5.00	ND	107	54-133	5.53	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61-133	5.35	20	
Toluene	5.27	0.0250	5.00	ND	105	61-130	5.52	20	
o-Xylene	5.07	0.0250	5.00	ND	101	63-131	5.18	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	5.19	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	5.19	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.30*		*8.00*		*78.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

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 (2511072-BLK1)									Prepared: 03/14/25 Analyzed: 03/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
LCS (2511072-BS2)									Prepared: 03/14/25 Analyzed: 03/14/25
Gasoline Range Organics (C6-C10)	38.9	20.0	50.0		77.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2511072-MS2)				**Source: E503097-03**					Prepared: 03/14/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2511072-MSD2)				**Source: E503097-03**					Prepared: 03/14/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.6	70-130	2.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

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 (2511078-BLK1)									Prepared: 03/14/25 Analyzed: 03/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*61-141*			
LCS (2511078-BS1)									Prepared: 03/14/25 Analyzed: 03/14/25
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	66-144			
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*61-141*			
Matrix Spike (2511078-MS1)				**Source: E503097-10**					Prepared: 03/14/25 Analyzed: 03/18/25
Diesel Range Organics (C10-C28)	21400	125	250	22900	NR	56-156			M4
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*61-141*			
Matrix Spike Dup (2511078-MSD1)				**Source: E503097-10**					Prepared: 03/14/25 Analyzed: 03/18/25
Diesel Range Organics (C10-C28)	22800	125	250	22900	NR	56-156	6.37	20	M4
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

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 (2511079-BLK1)									Prepared: 03/14/25 Analyzed: 03/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.9*		*50.0*		*104*	*61-141*			
LCS (2511079-BS1)									Prepared: 03/14/25 Analyzed: 03/14/25
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	66-144			
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
Matrix Spike (2511079-MS1)				**Source: E503096-01**					Prepared: 03/14/25 Analyzed: 03/14/25
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2511079-MSD1)				**Source: E503096-01**					Prepared: 03/14/25 Analyzed: 03/14/25
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	56-156	0.820	20	
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 3:32:46PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511071-BLK1)									Prepared: 03/14/25 Analyzed: 03/14/25
Chloride	ND	20.0							
LCS (2511071-BS1)									Prepared: 03/14/25 Analyzed: 03/14/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2511071-MS1)				**Source: E503097-08**					Prepared: 03/14/25 Analyzed: 03/14/25
Chloride	748	20.0	250	501	98.9	80-120			
Matrix Spike Dup (2511071-MSD1)				**Source: E503097-08**					Prepared: 03/14/25 Analyzed: 03/14/25
Chloride	742	20.0	250	501	96.3	80-120	0.884	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:	Charles Ling Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/25 15:32

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503097	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Charles Ling 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
0956	3/12-25	S	1	BH02 - 2'		1						X		
1008		S	1	BH02 - 4'		2						X		
1017		S	1	BH02 - 6'		3						X		
1022		S	1	BH03 - 0'		4						X		
1025		S	1	BH03 - 1'		5						X		
1028		S	1	BH03 - 2'		6						X		
1050		S	1	BH04 - 0'		7						X		
1051		S	1	BH04 - 1'		8						X		
1053		S	1	BH04 - 2'		9						X		
1115		S	1	BH05 - 0'		10						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-13-25	1105	Michelle Gonzales	3-13-25	1105
Michelle Gonzales	3-13-25	1700		3.13.25	1700
	3.13.25	2300	Kayleigh R Hall	3-14-25	0430
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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503097	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Charles Ling 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
1119	3-12-25	S	1	BH05-2'		11						X						
1123		S	1	BH05-4'		12						X						
1151		S	1	BH05-6.5'		13						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-13-25	1105	Michelle Gonzales	3-13-25	1105
Michelle Gonzales	3-13-25	1700		3.13.25	1700
	3.13.25	2300	Thomas N. Hall	3-14-25	0430

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

Page 148 of 150

Envirotech Analytical Laboratory

Printed: 3/14/2025 8:47:37AM

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:	03/14/25 04:30	Work Order ID:	E503097
Phone:	(972) 371-5200	Date Logged In:	03/13/25 16:32	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/20/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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:	Charles Ling 224 Well Pad
Work Order:	E504148
Job Number:	23003-0002
Received:	4/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/23/25

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

Date Reported: 4/23/25

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

Project Name: Charles Ling 224 Well Pad
Workorder: E504148
Date Received: 4/18/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2025 8:15:00AM, under the Project Name: Charles Ling 224 Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling 224 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SS05C-0’ 5

QC Summary Data 6

QC - Volatile Organics by EPA 8021B 6

QC - Nonhalogenated Organics by EPA 8015D - GRO 7

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

Definitions and Notes 10

Chain of Custody etc. 11

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05C-0'	E504148-01A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:21:16PM

SS05C-0'

E504148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516096
Chloride	**180**	20.0	1	04/18/25	04/18/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:21:16PM

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 (2516090-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.1*	*70-130*			
LCS (2516090-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.64	0.0250	5.00		92.9	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.64	0.0250	5.00		92.9	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130			
Total Xylenes	13.7	0.0250	15.0		91.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike (2516090-MS1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.68	0.0250	5.00	ND	93.6	70-130			
Ethylbenzene	4.67	0.0250	5.00	ND	93.5	70-130			
Toluene	4.67	0.0250	5.00	ND	93.5	70-130			
o-Xylene	4.65	0.0250	5.00	ND	92.9	70-130			
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.47*		*8.00*		*106*	*70-130*			
Matrix Spike Dup (2516090-MSD1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.87	0.0250	5.00	ND	97.5	70-130	4.02	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.29	26	
Toluene	4.88	0.0250	5.00	ND	97.6	70-130	4.38	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	4.32	25	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130	4.01	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	70-130	4.12	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:21:16PM

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 (2516090-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.99*		*8.00*		*87.4*	*70-130*			
LCS (2516090-BS2)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			
Matrix Spike (2516090-MS2)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2516090-MSD2)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:21:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2516094-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*61-141*			
LCS (2516094-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	307	25.0	250		123	66-144			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*61-141*			
Matrix Spike (2516094-MS1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	408	25.0	250	32.5	150	56-156			
Surrogate: n-Nonane	*71.1*		*50.0*		*142*	*61-141*			*S3*
Matrix Spike Dup (2516094-MSD1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	402	25.0	250	32.5	148	56-156	1.67	20	
Surrogate: n-Nonane	*70.1*		*50.0*		*140*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:21:16PM

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 (2516096-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	ND	20.0							
LCS (2516096-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2516096-MS1)				**Source: E504144-03**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	351	20.0	250	93.3	103	80-120			
Matrix Spike Dup (2516096-MSD1)				**Source: E504144-03**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	351	20.0	250	93.3	103	80-120	0.0561	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:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:21

S3	Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E504148	1D 2D 3D Std	NM CO UT TX
Project: Charles Ling 224 Well Pad	Address: 3122 National Parks Hwy	Job Number 23113.1002	X	X
Project Manager: Ashlev 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				
1312	4/16/25	S	1	SS05C-0'		1						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks: Individual temp °C

35

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, lestrella@ensolum.com, bsimmons@ensolum.com, lgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Chad Hamilton Abaubakar Kane

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/17/25		Michelle Gonzales	4-17-25	0711
Michelle Gonzales	4-17-25	1630		4.17.25	1700
	4.17.25	2400	Caitlin Mars	4.18.25	815
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 3.5

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: 4/18/2025 11:12:54AM

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:	04/18/25 08:15	Work Order ID:	E504148
Phone:	(972) 371-5200	Date Logged In:	04/17/25 15:35	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	04/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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: 3.5°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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Individual sample temperatures listed on COC.

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:	Charles Ling 224 Well Pad
Work Order:	E504149
Job Number:	23003-0002
Received:	4/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/23/25

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

Date Reported: 4/23/25

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

Project Name: Charles Ling 224 Well Pad
Workorder: E504149
Date Received: 4/18/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2025 8:15:00AM, under the Project Name: Charles Ling 224 Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling 224 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH02-8’ 5
- BH02-9’ 6
- BH02-10’ 7
- BH02-11’ 8

QC Summary Data 9

- QC - Volatile Organics by EPA 8021B 9
- QC - Nonhalogenated Organics by EPA 8015D - GRO 10
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 11
- QC - Anions by EPA 300.0/9056A 12

Definitions and Notes 13

Chain of Custody etc. 14

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-8'	E504149-01A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.
BH02-9'	E504149-02A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.
BH02-10'	E504149-03A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.
BH02-11'	E504149-04A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

BH02-8'

E504149-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	**190**	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	**247**	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516096
Chloride	**2670**	40.0	2	04/18/25	04/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

BH02-9'

E504149-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	**29.0**	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	**59.1**	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516096
Chloride	**605**	20.0	1	04/18/25	04/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

BH02-10'

E504149-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	**74.8**	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	**79.0**	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516096
Chloride	**2170**	20.0	1	04/18/25	04/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

BH02-11'

E504149-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516096
Chloride	**289**	20.0	1	04/18/25	04/18/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

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 (2516090-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.1*	*70-130*			
LCS (2516090-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.64	0.0250	5.00		92.9	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.64	0.0250	5.00		92.9	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130			
Total Xylenes	13.7	0.0250	15.0		91.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike (2516090-MS1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.68	0.0250	5.00	ND	93.6	70-130			
Ethylbenzene	4.67	0.0250	5.00	ND	93.5	70-130			
Toluene	4.67	0.0250	5.00	ND	93.5	70-130			
o-Xylene	4.65	0.0250	5.00	ND	92.9	70-130			
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.47*		*8.00*		*106*	*70-130*			
Matrix Spike Dup (2516090-MSD1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.87	0.0250	5.00	ND	97.5	70-130	4.02	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.29	26	
Toluene	4.88	0.0250	5.00	ND	97.6	70-130	4.38	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	4.32	25	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130	4.01	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	70-130	4.12	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

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 (2516090-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.99*		*8.00*		*87.4*	*70-130*			
LCS (2516090-BS2)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			
Matrix Spike (2516090-MS2)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2516090-MSD2)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2516094-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*61-141*			
LCS (2516094-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	307	25.0	250		123	66-144			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*61-141*			
Matrix Spike (2516094-MS1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	408	25.0	250	32.5	150	56-156			
Surrogate: n-Nonane	*71.1*		*50.0*		*142*	*61-141*			*S3*
Matrix Spike Dup (2516094-MSD1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	402	25.0	250	32.5	148	56-156	1.67	20	
Surrogate: n-Nonane	*70.1*		*50.0*		*140*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:22:29PM

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 (2516096-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	ND	20.0							
LCS (2516096-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2516096-MS1)				**Source: E504144-03**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	351	20.0	250	93.3	103	80-120			
Matrix Spike Dup (2516096-MSD1)				**Source: E504144-03**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	351	20.0	250	93.3	103	80-120	0.0561	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:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:22

S3	Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E504149	Job Number 25003.0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Charles Ling 224 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	EGOOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks: Individual Temp °C
0936	4/16/25	S	1	BH02 - 8'		1						X			3.6
1006	4/16/25	S	1	BH02 - 9'		2						X			3.4
1044	4/16/25	S	1	BH02 - 10'		3						X			3.3
CH 1112	4/16/25	S	1	BH02 - 11'		4						X			3.7

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@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Chad Hamilton Abubakar Kane

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/17/25		Michelle Gonzales	4-17-25	0711
Michelle Gonzales	4-17-25	1630		4.17.25	1700
	4.17.25	2400	Caitlin Mars	4.18.25	815

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 3.5

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: 4/18/2025 11:18:56AM

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:	04/18/25 08:15	Work Order ID:	E504149
Phone:	(972) 371-5200	Date Logged In:	04/17/25 15:43	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	04/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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: 3.5°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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Individual sample temperatures listed on COC.

Client Instruction

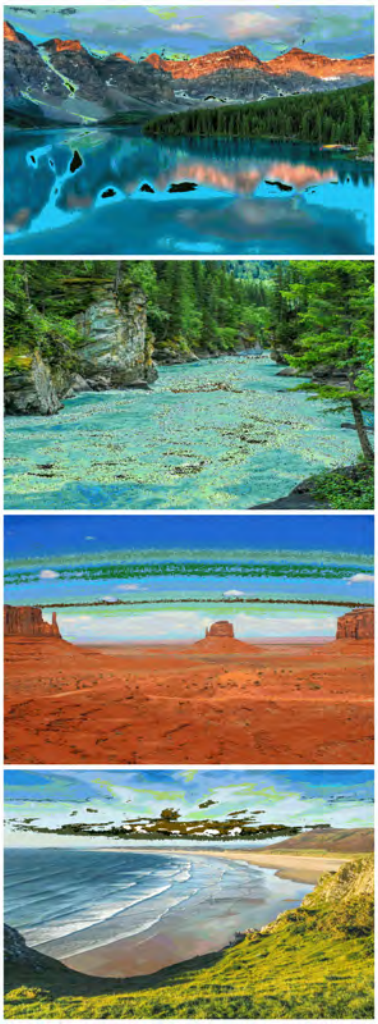
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling 224 Well Pad
Work Order:	E504151
Job Number:	23003-0002
Received:	4/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/23/25

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

Date Reported: 4/23/25

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

Project Name: Charles Ling 224 Well Pad
Workorder: E504151
Date Received: 4/18/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2025 8:15:00AM, under the Project Name: Charles Ling 224 Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling 224 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH05-10’ 5

BH05-12’ 6

BH05-14’ 7

QC Summary Data 8

QC - Volatile Organics by EPA 8021B 8

QC - Nonhalogenated Organics by EPA 8015D - GRO 9

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10

QC - Anions by EPA 300.0/9056A 11

Definitions and Notes 12

Chain of Custody etc. 13

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05-10'	E504151-01A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.
BH05-12'	E504151-02A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.
BH05-14'	E504151-03A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:24:54PM

BH05-10'

E504151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	**169**	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516097
Chloride	**893**	20.0	1	04/18/25	04/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:24:54PM

BH05-12'

E504151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.9 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	**474**	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516097
Chloride	**501**	20.0	1	04/18/25	04/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:24:54PM

BH05-14'

E504151-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2516090
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2516094
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/25	04/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/25	04/19/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*04/18/25*	*04/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516097
Chloride	**86.9**	20.0	1	04/18/25	04/18/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:24:54PM

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 (2516090-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.1*	*70-130*			
LCS (2516090-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.64	0.0250	5.00		92.9	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.64	0.0250	5.00		92.9	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130			
Total Xylenes	13.7	0.0250	15.0		91.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
Matrix Spike (2516090-MS1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.68	0.0250	5.00	ND	93.6	70-130			
Ethylbenzene	4.67	0.0250	5.00	ND	93.5	70-130			
Toluene	4.67	0.0250	5.00	ND	93.5	70-130			
o-Xylene	4.65	0.0250	5.00	ND	92.9	70-130			
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.47*		*8.00*		*106*	*70-130*			
Matrix Spike Dup (2516090-MSD1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.87	0.0250	5.00	ND	97.5	70-130	4.02	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.29	26	
Toluene	4.88	0.0250	5.00	ND	97.6	70-130	4.38	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	4.32	25	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130	4.01	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	70-130	4.12	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:24:54PM

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 (2516090-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.99*		*8.00*		*87.4*	*70-130*			
LCS (2516090-BS2)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			
Matrix Spike (2516090-MS2)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2516090-MSD2)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:24:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2516094-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*61-141*			
LCS (2516094-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	307	25.0	250		123	66-144			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*61-141*			
Matrix Spike (2516094-MS1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	408	25.0	250	32.5	150	56-156			
Surrogate: n-Nonane	*71.1*		*50.0*		*142*	*61-141*			*S3*
Matrix Spike Dup (2516094-MSD1)				**Source: E504144-05**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	402	25.0	250	32.5	148	56-156	1.67	20	
Surrogate: n-Nonane	*70.1*		*50.0*		*140*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:24:54PM

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 (2516097-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	ND	20.0							
LCS (2516097-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2516097-MS1)				**Source: E504152-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	712	20.0	250	449	106	80-120			
Matrix Spike Dup (2516097-MSD1)				**Source: E504152-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	716	20.0	250	449	107	80-120	0.459	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:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:24

S3	Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E504151	1D 2D 3D Std	NM CO UT TX
Project: Charles Ling 224 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	Remarks
1246	4/16/25	S	1	BH05 - 10'		1						X			Individual Temp °C 3.6
1312 1246	4/16/25	S	1	BH05 - 12'		2						X			3.8
1349	4/16/25	S	1	BH05 - 14'		3						X			3.9

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, lgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Chad Hamilton Aboubakar Kane

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/17/25		Michelle Gonzalez	4-17-25	0711
Michelle Gonzalez	4-17-25	1630		4.17.25	1700
	4.17.25	2400	Caitlin Mars	4-18-25	815
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 3.7

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: 4/18/2025 11:33:53AM

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:	04/18/25 08:15	Work Order ID:	E504151
Phone:	(972) 371-5200	Date Logged In:	04/17/25 15:50	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	04/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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: 3.7°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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Individual sample temperatures listed on COC.

Client Instruction

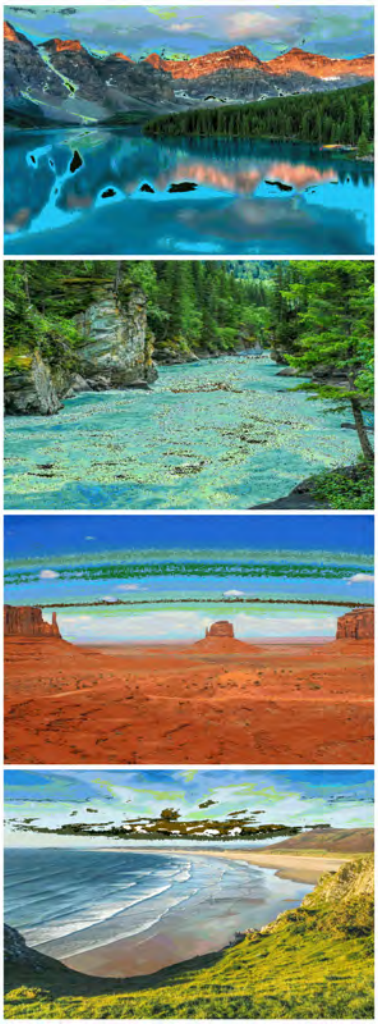
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling 224 Well Pad
Work Order:	E504152
Job Number:	23003-0002
Received:	4/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/23/25

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

Date Reported: 4/23/25

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

Project Name: Charles Ling 224 Well Pad
Workorder: E504152
Date Received: 4/18/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2025 8:15:00AM, under the Project Name: Charles Ling 224 Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling 224 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SS05 - 0’ 5

SS05A - 0’ 6

SS05B - 0’ 7

QC Summary Data 8

QC - Volatile Organics by EPA 8021B 8

QC - Nonhalogenated Organics by EPA 8015D - GRO 9

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 10

QC - Anions by EPA 300.0/9056A 11

Definitions and Notes 12

Chain of Custody etc. 13

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05 - 0'	E504152-01A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.
SS05A - 0'	E504152-02A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.
SS05B - 0'	E504152-03A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:27:25PM

SS05 - 0'

E504152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2516091
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2516091
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2516095
Diesel Range Organics (C10-C28)	**241**	25.0	1	04/18/25	04/18/25	
Oil Range Organics (C28-C36)	**88.8**	50.0	1	04/18/25	04/18/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*04/18/25*	*04/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516097
Chloride	**506**	20.0	1	04/18/25	04/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:27:25PM

SS05A - 0'

E504152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2516091
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2516091
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2516095
Diesel Range Organics (C10-C28)	**462**	25.0	1	04/18/25	04/18/25	
Oil Range Organics (C28-C36)	**99.3**	50.0	1	04/18/25	04/18/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*04/18/25*	*04/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516097
Chloride	**449**	20.0	1	04/18/25	04/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:27:25PM

SS05B - 0'

E504152-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2516091
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2516091
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*04/18/25*	*04/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2516095
Diesel Range Organics (C10-C28)	**36.7**	25.0	1	04/18/25	04/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/25	04/18/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*04/18/25*	*04/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2516097
Chloride	**130**	20.0	1	04/18/25	04/18/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:27:25PM

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 (2516091-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			
LCS (2516091-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.39	0.0250	5.00		87.9	70-130			
Ethylbenzene	4.35	0.0250	5.00		87.1	70-130			
Toluene	4.39	0.0250	5.00		87.8	70-130			
o-Xylene	4.32	0.0250	5.00		86.5	70-130			
p,m-Xylene	8.68	0.0500	10.0		86.8	70-130			
Total Xylenes	13.0	0.0250	15.0		86.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2516091-MS1)				**Source: E504153-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.09	0.0250	5.00	ND	81.7	70-130			
Ethylbenzene	4.05	0.0250	5.00	ND	81.0	70-130			
Toluene	4.09	0.0250	5.00	ND	81.8	70-130			
o-Xylene	4.03	0.0250	5.00	ND	80.6	70-130			
p,m-Xylene	8.09	0.0500	10.0	ND	80.9	70-130			
Total Xylenes	12.1	0.0250	15.0	ND	80.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2516091-MSD1)				**Source: E504153-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Benzene	4.23	0.0250	5.00	ND	84.7	70-130	3.56	27	
Ethylbenzene	4.21	0.0250	5.00	ND	84.3	70-130	3.95	26	
Toluene	4.24	0.0250	5.00	ND	84.8	70-130	3.61	20	
o-Xylene	4.18	0.0250	5.00	ND	83.5	70-130	3.53	25	
p,m-Xylene	8.40	0.0500	10.0	ND	84.0	70-130	3.81	23	
Total Xylenes	12.6	0.0250	15.0	ND	83.8	70-130	3.72	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:27:25PM

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 (2516091-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.17*		*8.00*		*89.6*	*70-130*			
LCS (2516091-BS2)									Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.3*	*70-130*			
Matrix Spike (2516091-MS2)				**Source: E504153-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			
Matrix Spike Dup (2516091-MSD2)				**Source: E504153-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	6.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:27:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2516095-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			
LCS (2516095-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.2	66-144			
Surrogate: n-Nonane	*49.4*		*50.0*		*98.7*	*61-141*			
Matrix Spike (2516095-MS1)				**Source: E504153-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.1	56-156			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2516095-MSD1)				**Source: E504153-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	6.54	20	
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:27:25PM

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 (2516097-BLK1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	ND	20.0							
LCS (2516097-BS1)									Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2516097-MS1)				**Source: E504152-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	712	20.0	250	449	106	80-120			
Matrix Spike Dup (2516097-MSD1)				**Source: E504152-02**					Prepared: 04/18/25 Analyzed: 04/18/25
Chloride	716	20.0	250	449	107	80-120	0.459	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:	Charles Ling 224 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:27

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

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E604152	1D 2D 3D Std	NM CO UT TX
Project: Charles Ling 224 Well Pad	Address: 3122 National Parks Hwy	Job Number 23C03-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
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
0856	4/16/25	S	1	SS05 - 0'		1							X								
1021	4/16/25	S	1	SS05A - 0'		2							X						Compliance	Y	or N
1144	4/16/25	S	1	SS05B - 0'		3							X						PWSID #		
																			Remarks		
																			Individual Temp °C		
																			3.6		
																			3.8		
																			3.5		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, lgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Chad Hamilton, Abubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/17/25		Michelle Gonzales	4-17-25	0711
Michelle Gonzales	4-17-25	1630		4.17.25	1700
	4.17.25	2400		4.18.25	815
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

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 3.6

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: 4/18/2025 11:35:19AM

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:	04/18/25 08:15	Work Order ID:	E504152
Phone:	(972) 371-5200	Date Logged In:	04/17/25 15:55	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	04/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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: 3.6°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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Individual sample temperatures listed on COC.

Client Instruction

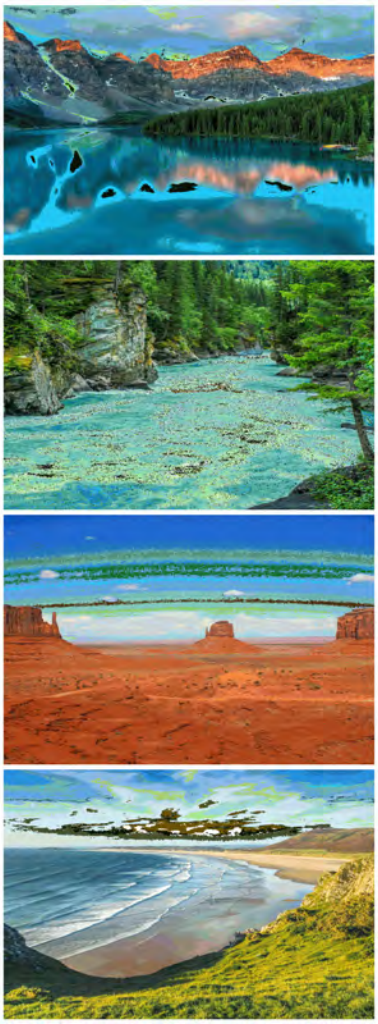
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling 223
Work Order:	E505114
Job Number:	23003-0002
Received:	5/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/25

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

Date Reported: 5/15/25

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

Project Name: Charles Ling 223
Workorder: E505114
Date Received: 5/12/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/12/2025 8:30:00AM, under the Project Name: Charles Ling 223.

The analytical test results summarized in this report with the Project Name: Charles Ling 223 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS19-0.5’ 5
- FS20-0.5’ 6
- FS23-0.5’ 7
- FS24-0.5’ 8
- FS08-0.5’ 9
- FS09-0.5’ 10

QC Summary Data 11

- QC - Volatile Organics by EPA 8021B 11
- QC - Nonhalogenated Organics by EPA 8015D - GRO 12
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 13
- QC - Anions by EPA 300.0/9056A 14

Definitions and Notes 15

Chain of Custody etc. 16

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/15/25 12:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS19-0.5'	E505114-01A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
FS20-0.5'	E505114-02A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
FS23-0.5'	E505114-03A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
FS24-0.5'	E505114-04A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
FS08-0.5'	E505114-05A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
FS09-0.5'	E505114-06A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

FS19-0.5'

E505114-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Benzene	ND	0.0250	1	05/12/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/13/25	
Toluene	ND	0.0250	1	05/12/25	05/13/25	
o-Xylene	ND	0.0250	1	05/12/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*05/12/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*05/12/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/13/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/12/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520051
Chloride	**3870**	40.0	2	05/13/25	05/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

FS20-0.5'

E505114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Benzene	ND	0.0250	1	05/12/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/13/25	
Toluene	ND	0.0250	1	05/12/25	05/13/25	
o-Xylene	ND	0.0250	1	05/12/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*05/12/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*05/12/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/13/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*05/12/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520051
Chloride	**3340**	40.0	2	05/13/25	05/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

FS23-0.5'

E505114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Benzene	ND	0.0250	1	05/12/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/14/25	
Toluene	ND	0.0250	1	05/12/25	05/14/25	
o-Xylene	ND	0.0250	1	05/12/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*05/12/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/12/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520020
Diesel Range Organics (C10-C28)	**26.0**	25.0	1	05/12/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/13/25	
Surrogate: n-Nonane		*97.3 %*	*61-141*	*05/12/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520051
Chloride	**2340**	40.0	2	05/13/25	05/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

FS24-0.5'

E505114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Benzene	ND	0.0250	1	05/12/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/14/25	
Toluene	ND	0.0250	1	05/12/25	05/14/25	
o-Xylene	ND	0.0250	1	05/12/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*05/12/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*05/12/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520020
Diesel Range Organics (C10-C28)	**37.2**	25.0	1	05/12/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/13/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*05/12/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520051
Chloride	**3390**	40.0	2	05/13/25	05/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

FS08-0.5'

E505114-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Benzene	ND	0.0250	1	05/12/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/13/25	
Toluene	ND	0.0250	1	05/12/25	05/13/25	
o-Xylene	ND	0.0250	1	05/12/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*05/12/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*05/12/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/13/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*05/12/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520051
Chloride	**157**	20.0	1	05/13/25	05/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

FS09-0.5'

E505114-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Benzene	ND	0.0250	1	05/12/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/14/25	
Toluene	ND	0.0250	1	05/12/25	05/14/25	
o-Xylene	ND	0.0250	1	05/12/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*05/12/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520003
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/12/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/13/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*05/12/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520051
Chloride	**157**	20.0	1	05/13/25	05/13/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

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 (2520003-BLK1)									Prepared: 05/12/25 Analyzed: 05/13/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.81*		*8.00*		*85.1*	*70-130*			
LCS (2520003-BS1)									Prepared: 05/12/25 Analyzed: 05/14/25
Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.72*		*8.00*		*84.0*	*70-130*			
Matrix Spike (2520003-MS1)				**Source: E505114-05**					Prepared: 05/12/25 Analyzed: 05/14/25
Benzene	5.12	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.14	0.0250	5.00	ND	103	70-130			
o-Xylene	5.05	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.67*		*8.00*		*83.4*	*70-130*			
Matrix Spike Dup (2520003-MSD1)				**Source: E505114-05**					Prepared: 05/12/25 Analyzed: 05/13/25
Benzene	4.70	0.0250	5.00	ND	94.0	70-130	8.47	27	
Ethylbenzene	4.60	0.0250	5.00	ND	92.1	70-130	10.4	26	
Toluene	4.67	0.0250	5.00	ND	93.4	70-130	9.61	20	
o-Xylene	4.56	0.0250	5.00	ND	91.1	70-130	10.2	25	
p,m-Xylene	9.30	0.0500	10.0	ND	93.0	70-130	10.8	23	
Total Xylenes	13.9	0.0250	15.0	ND	92.4	70-130	10.6	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.12*		*8.00*		*89.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

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 (2520003-BLK1)									Prepared: 05/12/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2520003-BS2)									Prepared: 05/12/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.8*	*70-130*			
Matrix Spike (2520003-MS2)				**Source: E505114-05**					Prepared: 05/12/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.6*	*70-130*			
Matrix Spike Dup (2520003-MSD2)				**Source: E505114-05**					Prepared: 05/12/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.6	70-130	8.97	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.98*		*8.00*		*99.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520020-BLK1)									Prepared: 05/12/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*61-141*			
LCS (2520020-BS1)									Prepared: 05/12/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.4*	*61-141*			
Matrix Spike (2520020-MS1)				**Source: E505114-05**					Prepared: 05/12/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*61-141*			
Matrix Spike Dup (2520020-MSD1)				**Source: E505114-05**					Prepared: 05/12/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156	1.36	20	
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 12:50:31PM

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 (2520051-BLK1)									Prepared: 05/13/25 Analyzed: 05/13/25
Chloride	ND	20.0							
LCS (2520051-BS1)									Prepared: 05/13/25 Analyzed: 05/13/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2520051-MS1)				**Source: E505108-08**					Prepared: 05/13/25 Analyzed: 05/13/25
Chloride	609	20.0	250	356	101	80-120			
Matrix Spike Dup (2520051-MSD1)				**Source: E505108-08**					Prepared: 05/13/25 Analyzed: 05/13/25
Chloride	612	20.0	250	356	102	80-120	0.412	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:	Charles Ling 223	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/15/25 12:50

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project:Charles Ling 223	Address: 3122 National Parks Hwy	E505114	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
12:09	5/8/2025	S	1	FS19-0.5'		1						X						4.8
12:14	5/8/2025	S	1	FS20-0.5'		2						X						4.7
12:11	5/8/2025	S	1	FS23-0.5		3						X						3.1
12:12	5/8/2025	S	1	FS24-0.5'		4						X						5.4
13:27	5/8/2025	S	1	FS08-0.5'		5						X						4.1
13:28	5/8/2025	S	1	FS09-0.5'		6						X						4.8

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@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: AK ;HG

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/9/25	7:11	Michelle Gonzales	5-9-25	0711
Michelle Gonzales	5-9-25	1620		5.9.25	1620
	5.9.25	2215	Nor Soto	5.12.25	0830
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: 5/12/2025 12:50:56PM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/12/25 08:30	Work Order ID:	E505114
Phone:	(972) 371-5200	Date Logged In:	05/09/25 14:11	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/16/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

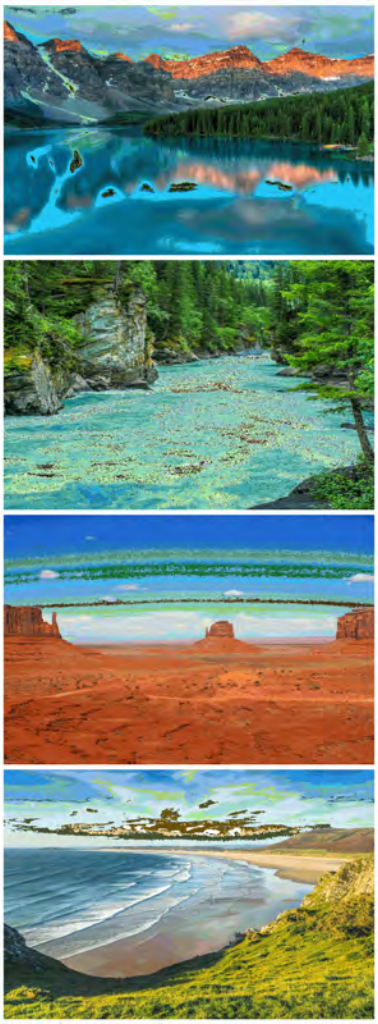
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

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:	Charles Ling 223/224
Work Order:	E505143
Job Number:	23003-0002
Received:	5/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/19/25

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

Date Reported: 5/19/25

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

Project Name: Charles Ling 223/224
Workorder: E505143
Date Received: 5/13/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/13/2025 8:00:00AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS01-0.5’ 6

FS02-0.5’ 7

FS03-0.5’ 8

FS04-0.5’ 9

FS05-0.5’ 10

FS06-0.5’ 11

FS07-0.5’ 12

FS10-0.5’ 13

FS11-0.5’ 14

FS12-0.5’ 15

FS13-0.5’ 16

FS14-0.5’ 17

FS16-0.5’ 18

FS18-0.5’ 19

FS21-0.5’ 20

FS22-0.5’ 21

FS25-0.5’ 22

FS26-0.5’ 23

FS27-0.5’ 24

FS28-0.5’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/19/25 14:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0.5'	E505143-01A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS02-0.5'	E505143-02A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS03-0.5'	E505143-03A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS04-0.5'	E505143-04A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS05-0.5'	E505143-05A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS06-0.5'	E505143-06A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS07-0.5'	E505143-07A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS10-0.5'	E505143-08A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS11-0.5'	E505143-09A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS12-0.5'	E505143-10A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS13-0.5'	E505143-11A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS14-0.5'	E505143-12A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS16-0.5'	E505143-13A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS18-0.5'	E505143-14A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS21-0.5'	E505143-15A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS22-0.5'	E505143-16A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS25-0.5'	E505143-17A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS26-0.5'	E505143-18A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS27-0.5'	E505143-19A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS28-0.5'	E505143-20A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS01-0.5'

E505143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	ND	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**171**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS02-0.5'

E505143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**249**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS03-0.5'

E505143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**222**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS04-0.5'

E505143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**28.2**	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**744**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS05-0.5'

E505143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**38.8**	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	**55.1**	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**177**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS06-0.5'

E505143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**61.5**	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	**68.8**	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**210**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS07-0.5'

E505143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**53.9**	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	**58.3**	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*98.5 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**121**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS10-0.5'

E505143-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	ND	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**39.4**	25.0	1	05/13/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/14/25	
Surrogate: n-Nonane		*96.0 %*	*61-141*	*05/13/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**347**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS11-0.5'

E505143-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**174**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS12-0.5'

E505143-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**35.6**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**315**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS13-0.5'

E505143-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**27.9**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**448**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS14-0.5'

E505143-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**93.7**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	**106**	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**184**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS16-0.5'

E505143-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**484**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS18-0.5'

E505143-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**1060**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS21-0.5'

E505143-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**36.0**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**2350**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS22-0.5'

E505143-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*97.8 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**2530**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS25-0.5'

E505143-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**2480**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS26-0.5'

E505143-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**26.2**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**9700**	200	10	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS27-0.5'

E505143-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	**47.3**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	**55.5**	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**2480**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

FS28-0.5'

E505143-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520041
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2520034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520105
Chloride	**277**	20.0	1	05/15/25	05/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

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 (2520041-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.40*		*8.00*		*105*	*70-130*			
LCS (2520041-BS1)									Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	5.61	0.0250	5.00		112	70-130			
Ethylbenzene	5.66	0.0250	5.00		113	70-130			
Toluene	5.68	0.0250	5.00		114	70-130			
o-Xylene	5.55	0.0250	5.00		111	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	16.9	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.23*		*8.00*		*103*	*70-130*			
Matrix Spike (2520041-MS1)				**Source: E505143-08**					Prepared: 05/13/25 Analyzed: 05/16/25
Benzene	5.49	0.0250	5.00	ND	110	70-130			
Ethylbenzene	5.38	0.0250	5.00	ND	108	70-130			
Toluene	5.45	0.0250	5.00	ND	109	70-130			
o-Xylene	5.28	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*96.9*	*70-130*			
Matrix Spike Dup (2520041-MSD1)				**Source: E505143-08**					Prepared: 05/13/25 Analyzed: 05/19/25
Benzene	5.88	0.0250	5.00	ND	118	70-130	6.92	27	
Ethylbenzene	5.83	0.0250	5.00	ND	117	70-130	8.12	26	
Toluene	5.88	0.0250	5.00	ND	118	70-130	7.60	20	
o-Xylene	5.69	0.0250	5.00	ND	114	70-130	7.62	25	
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130	8.02	23	
Total Xylenes	17.4	0.0250	15.0	ND	116	70-130	7.89	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

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 (2520041-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2520041-BS2)									Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2520041-MS2)				**Source: E505143-08**					Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2520041-MSD2)				**Source: E505143-08**					Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130	3.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520034-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*61-141*			
LCS (2520034-BS1)									Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*61-141*			
Matrix Spike (2520034-MS1)				**Source: E505143-15**					Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	299	25.0	250	36.0	105	56-156			
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*61-141*			
Matrix Spike Dup (2520034-MSD1)				**Source: E505143-15**					Prepared: 05/13/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	302	25.0	250	36.0	106	56-156	0.990	20	
Surrogate: n-Nonane	*48.8*		*50.0*		*97.6*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:58:38PM

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 (2520105-BLK1)									Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	ND	20.0							
LCS (2520105-BS1)									Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2520105-MS1)				**Source: E505143-03**					Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	458	20.0	250	222	94.3	80-120			
Matrix Spike Dup (2520105-MSD1)				**Source: E505143-03**					Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	465	20.0	250	222	97.0	80-120	1.49	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:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/19/25 14:58

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

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

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

Released to Imaging: 9/17/2025 10:41:34 AM

Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505143	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1337	05/09/2025	S	1	FS01-0.5'		1									X			1.1	
1339	05/09/2025	S	1	FS02-0.5'		2									X			0.4	
1346	05/09/2025	S	1	FS03-0.5'		3									X			0.6	
1344	05/09/2025	S	1	FS04-0.5'		4									X			0.3	
1339	05/09/2025	S	1	FS05-0.5'		5									X			2.2	
1342	05/09/2025	S	1	FS06-0.5'		6									X			0.9	
1341	05/09/2025	S	1	FS07-0.5'		7									X			1.1	
1348	05/09/2025	S	1	FS10-0.5'		8									X			1.5	
1350	05/09/2025	S	1	FS11-0.5'		9									X			2.1	
1356	05/09/2025	S	1	FS12-0.5'		10									X			2.0	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-12-25		Michelle Gonzales	5-12 25	0711
Michelle Gonzales	5.12.25	1545	Richard Gonzales	5-12-25	1545
Richard Gonzales	5-12-25	2215	Caitlin Mar	5.13.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y)/N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505143	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	Address: 3122 National Parks Hwy	Job Number 23103.0002	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1359	05/09/2025	S	1	FS13-0.5'		11									X			1.8	
1354	05/09/2025	S	1	FS14-0.5'		12									X			1.2	
1356	05/09/2025	S	1	FS16-0.5'		13									X			2.3	
1404	05/09/2025	S	1	FS18-0.5'		14									X			1.4	
0956	05/09/2025	S	1	FS21-0.5'		15									X			1.8	
0953	05/09/2025	S	1	FS22-0.5'		16									X			2.2	
1000	05/09/2025	S	1	FS25-0.5'		17									X			1.0	
0958	05/09/2025	S	1	FS26-0.5'		18									X			0.1	
1007	05/09/2025	S	1	FS27-0.5'		19									X			1.2	
1359	05/09/2025	S	1	FS28-0.5'		20									X			1.8	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-12-25		Michelle Gonzales	5-12-25	0711
Michelle Gonzales	5-12-25	1545	Richard Gonzales	5-12-25	1545
Richard Gonzales	5-12-25	2215	Carth Mar	5.13.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y)/N

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 Analytical Laboratory

Printed: 5/13/2025 9:38:54AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/13/25 08:00	Work Order ID:	E505143
Phone:	(972) 371-5200	Date Logged In:	05/12/25 16:59	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	05/19/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Charles Ling 223/224 has been separated into 2 reports due to sample volume, reports are E505143-E505144.

Client Instruction

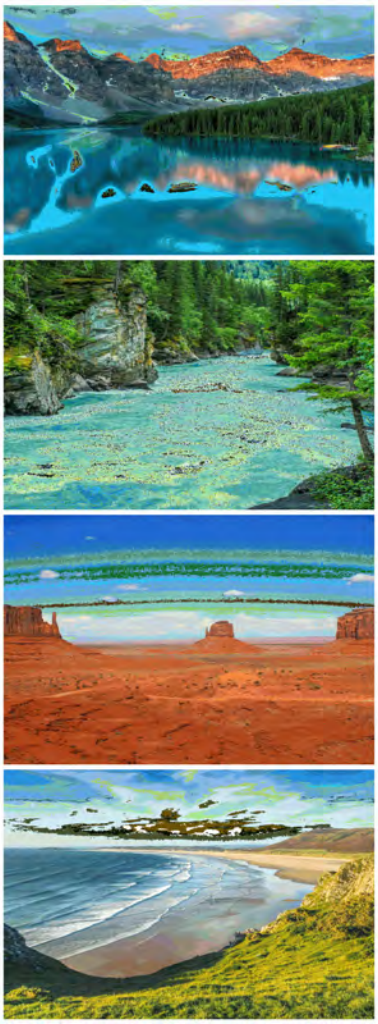
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling 223/224
Work Order:	E505144
Job Number:	23003-0002
Received:	5/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/19/25

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

Date Reported: 5/19/25

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

Project Name: Charles Ling 223/224
Workorder: E505144
Date Received: 5/13/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/13/2025 8:00:00AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS29-0.5’ 6

FS30-0.5’ 7

FS31-0.5’ 8

FS32-0.5’ 9

FS33-0.5’ 10

FS34-0.5’ 11

FS35-0.5’ 12

FS36-0.5’ 13

FS38-0.5’ 14

FS39-0.5’ 15

FS48-0.5’ 16

FS57-0.5’ 17

FS76-0.5’ 18

FS77-0.5’ 19

FS78-0.5’ 20

FS79-0.5’ 21

FS80-0.5’ 22

FS81-0.5’ 23

FS82-0.5’ 24

FS83-0.5’ 25

Table of Contents (continued)

FS84-0.5’ 26

FS97-0.5’ 27

QC Summary Data 28

QC - Volatile Organics by EPA 8021B 28

QC - Nonhalogenated Organics by EPA 8015D - GRO 30

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 32

QC - Anions by EPA 300.0/9056A 35

Definitions and Notes 37

Chain of Custody etc. 38

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/19/25 14:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS29-0.5'	E505144-01A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS30-0.5'	E505144-02A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS31-0.5'	E505144-03A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS32-0.5'	E505144-04A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS33-0.5'	E505144-05A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS34-0.5'	E505144-06A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS35-0.5'	E505144-07A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS36-0.5'	E505144-08A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS38-0.5'	E505144-09A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS39-0.5'	E505144-10A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS48-0.5'	E505144-11A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS57-0.5'	E505144-12A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS76-0.5'	E505144-13A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS77-0.5'	E505144-14A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS78-0.5'	E505144-15A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS79-0.5'	E505144-16A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS80-0.5'	E505144-17A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS81-0.5'	E505144-18A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS82-0.5'	E505144-19A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS83-0.5'	E505144-20A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS84-0.5'	E505144-21A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
FS97-0.5'	E505144-22A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS29-0.5'

E505144-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**28.8**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**2150**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS30-0.5'

E505144-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**848**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS31-0.5'

E505144-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**43.9**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**62.3**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**3050**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS32-0.5'

E505144-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**280**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**452**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**3020**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS33-0.5'

E505144-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**481**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**990**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**1080**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS34-0.5'

E505144-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.9 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**454**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**761**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**2500**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS35-0.5'

E505144-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.6 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**36.9**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**79.7**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**3870**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS36-0.5'

E505144-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**188**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**215**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**5370**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS38-0.5'

E505144-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/14/25	
Toluene	ND	0.0250	1	05/13/25	05/14/25	
o-Xylene	ND	0.0250	1	05/13/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.5 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/13/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**44.6**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**85.2**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**50.5**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS39-0.5'

E505144-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**32.1**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**69.1**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**117**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS48-0.5'

E505144-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**105**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**186**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**3060**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS57-0.5'

E505144-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**108**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**135**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**1980**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS76-0.5'

E505144-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**36.9**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**3670**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS77-0.5'

E505144-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**523**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**540**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**2670**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS78-0.5'

E505144-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**147**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**204**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**1830**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS79-0.5'

E505144-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**230**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**449**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**2710**	40.0	2	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS80-0.5'

E505144-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**67.9**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**142**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*99.3 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**763**	20.0	1	05/15/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS81-0.5'

E505144-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**36.5**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**52.3**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**1670**	20.0	1	05/15/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS82-0.5'

E505144-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**289**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**159**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**885**	20.0	1	05/15/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS83-0.5'

E505144-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520042
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/13/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520035
Diesel Range Organics (C10-C28)	**77.3**	25.0	1	05/13/25	05/16/25	
Oil Range Organics (C28-C36)	**126**	50.0	1	05/13/25	05/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520109
Chloride	**1170**	20.0	1	05/15/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS84-0.5'

E505144-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520040
Benzene	ND	0.0250	1	05/13/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/16/25	
Toluene	ND	0.0250	1	05/13/25	05/16/25	
o-Xylene	ND	0.0250	1	05/13/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*05/13/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520040
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/13/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520058
Diesel Range Organics (C10-C28)	**79.1**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	**90.5**	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520104
Chloride	**2020**	20.0	1	05/15/25	05/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

FS97-0.5'

E505144-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520040
Benzene	ND	0.0250	1	05/13/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/16/25	
Toluene	ND	0.0250	1	05/13/25	05/16/25	
o-Xylene	ND	0.0250	1	05/13/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/13/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520040
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/13/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520037
Diesel Range Organics (C10-C28)	**30.8**	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/13/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520104
Chloride	**4290**	40.0	2	05/15/25	05/15/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

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 (2520040-BLK1)									Prepared: 05/13/25 Analyzed: 05/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
LCS (2520040-BS1)									Prepared: 05/13/25 Analyzed: 05/15/25
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.19*		*8.00*		*102*	*70-130*			
Matrix Spike (2520040-MS1)				**Source: E505141-25**					Prepared: 05/13/25 Analyzed: 05/15/25
Benzene	5.09	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	70-130			
Toluene	5.06	0.0250	5.00	ND	101	70-130			
o-Xylene	5.04	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.26*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2520040-MSD1)				**Source: E505141-25**					Prepared: 05/13/25 Analyzed: 05/15/25
Benzene	5.13	0.0250	5.00	ND	103	70-130	0.857	27	
Ethylbenzene	5.12	0.0250	5.00	ND	102	70-130	1.13	26	
Toluene	5.12	0.0250	5.00	ND	102	70-130	1.08	20	
o-Xylene	5.09	0.0250	5.00	ND	102	70-130	0.971	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	1.17	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	1.10	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

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 (2520042-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.62*		*8.00*		*82.7*	*70-130*			
LCS (2520042-BS1)									Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	4.41	0.0250	5.00		88.3	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130			
Toluene	4.53	0.0250	5.00		90.5	70-130			
o-Xylene	4.49	0.0250	5.00		89.8	70-130			
p,m-Xylene	9.19	0.0500	10.0		91.9	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.89*		*8.00*		*86.2*	*70-130*			
Matrix Spike (2520042-MS1)				**Source: E505144-09**					Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	4.80	0.0250	5.00	ND	96.0	70-130			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	70-130			
Toluene	4.92	0.0250	5.00	ND	98.5	70-130			
o-Xylene	4.91	0.0250	5.00	ND	98.1	70-130			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.85*		*8.00*		*85.7*	*70-130*			
Matrix Spike Dup (2520042-MSD1)				**Source: E505144-09**					Prepared: 05/13/25 Analyzed: 05/14/25
Benzene	4.92	0.0250	5.00	ND	98.3	70-130	2.42	27	
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130	2.37	26	
Toluene	5.03	0.0250	5.00	ND	101	70-130	2.11	20	
o-Xylene	5.00	0.0250	5.00	ND	99.9	70-130	1.80	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	2.24	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	2.10	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.85*		*8.00*		*85.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

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 (2520040-BLK1)									Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.61*		*8.00*		*108*	*70-130*			
LCS (2520040-BS2)									Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.80*		*8.00*		*110*	*70-130*			
Matrix Spike (2520040-MS2)				**Source: E505141-25**					Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.56*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2520040-MSD2)				**Source: E505141-25**					Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	9.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.52*		*8.00*		*107*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

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 (2520042-BLK1)									Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.3*	*70-130*			
LCS (2520042-BS2)									Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.1*	*70-130*			
Matrix Spike (2520042-MS2)				**Source: E505144-09**					Prepared: 05/13/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2520042-MSD2)				**Source: E505144-09**					Prepared: 05/13/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130	6.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520035-BLK1)									Prepared: 05/13/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
LCS (2520035-BS1)									Prepared: 05/13/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	*49.4*		*50.0*		*98.8*	*61-141*			
Matrix Spike (2520035-MS1)				**Source: E505144-18**					Prepared: 05/13/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	318	25.0	250	36.5	113	56-156			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2520035-MSD1)				**Source: E505144-18**					Prepared: 05/13/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	309	25.0	250	36.5	109	56-156	3.02	20	
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

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 (2520037-BLK1)									Prepared: 05/13/25 Analyzed: 05/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*61-141*			
LCS (2520037-BS1)									Prepared: 05/13/25 Analyzed: 05/15/25
Diesel Range Organics (C10-C28)	321	25.0	250		129	66-144			
Surrogate: n-Nonane	*59.2*		*50.0*		*118*	*61-141*			
Matrix Spike (2520037-MS1)				**Source: E505140-03**					Prepared: 05/13/25 Analyzed: 05/15/25
Diesel Range Organics (C10-C28)	2780	25.0	250	2870	NR	56-156			M4
Surrogate: n-Nonane	*59.9*		*50.0*		*120*	*61-141*			
Matrix Spike Dup (2520037-MSD1)				**Source: E505140-03**					Prepared: 05/13/25 Analyzed: 05/15/25
Diesel Range Organics (C10-C28)	2770	25.0	250	2870	NR	56-156	0.370	20	M4
Surrogate: n-Nonane	*60.8*		*50.0*		*122*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520058-BLK1)									Prepared: 05/13/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			
LCS (2520058-BS1)									Prepared: 05/13/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	*48.4*		*50.0*		*96.7*	*61-141*			
Matrix Spike (2520058-MS1)				**Source: E505145-01**					Prepared: 05/13/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	342	25.0	250	63.7	111	56-156			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2520058-MSD1)				**Source: E505145-01**					Prepared: 05/13/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	317	25.0	250	63.7	101	56-156	7.59	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

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 (2520104-BLK1)									Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	ND	20.0							
LCS (2520104-BS1)									Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2520104-MS1)				**Source: E505142-04**					Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2520104-MSD1)				**Source: E505142-04**					Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	272	20.0	250	ND	109	80-120	0.0661	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 2:25:40PM

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 (2520109-BLK1)									Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	ND	20.0							
LCS (2520109-BS1)									Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2520109-MS1)				**Source: E505144-04**					Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	3060	40.0	250	3020	16.7	80-120			M4
Matrix Spike Dup (2520109-MSD1)				**Source: E505144-04**					Prepared: 05/15/25 Analyzed: 05/15/25
Chloride	3190	40.0	250	3020	67.2	80-120	4.04	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/19/25 14:25

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505144	Job Number 23003.0002	1D 2D 3D Std: X	NM CO UT TX: X
Project Name:Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1326	05/09/2025	S	1	FS48-0.5'		11									X			1.8	
1323	05/09/2025	S	1	FS57-0.5'		12									X			1.3	
1010	05/09/2025	S	1	FS76-0.5'		13									X			1.1	
1012	05/09/2025	S	1	FS77-0.5'		14									X			1.3	
1010	05/09/2025	S	1	FS78-0.5'		15									X			1.8	
1012	05/09/2025	S	1	FS79-0.5'		16									X			1.3	
0951	05/09/2025	S	1	FS80-0.5'		17									X			2.0	
0949	05/09/2025	S	1	FS81-0.5'		18									X			1.8	
1015	05/09/2025	S	1	FS82-0.5'		19									X			1.4	
0955	05/09/2025	S	1	FS83-0.5'		20									X			1.4	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-12-25		Michelle Gonzales	5-12-25	0711
Michelle Gonzales	5-12-25	1545	Richard Gonzales	5-12-25	1545
Richard Gonzales	5-12-25	2215	Cauth Mar	5.13.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505144	1D 2D 3D Std	NM CO UT TX
Project Name: Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1407	05/09/2025	S	1	FS29-0.5'		1									X			2.1	
1410	05/09/2025	S	1	FS30-0.5'		2									X			1.8	
1417	05/09/2025	S	1	FS31-0.5'		3									X			1.2	
1319	05/09/2025	S	1	FS32-0.5'		4									X			1.0	
1003	05/09/2025	S	1	FS33-0.5'		5									X			0.8	
1007	05/09/2025	S	1	FS34-0.5'		6									X			0.6	
1316	05/09/2025	S	1	FS35-0.5'		7									X			1.2	
1313	05/09/2025	S	1	FS36-0.5'		8									X			1.3	
1346	05/09/2025	S	1	FS38-0.5'		9									X			0.4	
1349	05/09/2025	S	1	FS39-0.5'		10									X			2.0	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-12-25		Michelle Gonzales	5.12.25	0711
Michelle Gonzales	5.12.25	1545	Richard Gonzales	5-12-25	1545
Richard Gonzales	5-12-25	2215	Cuth Mar	5.13.25	800

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

Lab Use Only

Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505144	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	Address: 3122 National Parks Hwy	Job Number 23003.0007	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
0957	05/09/2025	S	1	FS84-0.5'		21									X			2.0	
1000	05/09/2025	S	1	FS97-0.5'		22									X			1.8	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-12-25		Michelle Gonzales	5-12-25	0711
Michelle Gonzales	5.12.25	1545	Richard Gonzales	5-12-25	1545
Richard Gonzales	5-12-25	2215	Carla Mora	6.13.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

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 Analytical Laboratory

Printed: 5/13/2025 9:42:08AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/13/25 08:00	Work Order ID:	E505144
Phone:	(972) 371-5200	Date Logged In:	05/12/25 17:01	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	05/19/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Charles Ling 223/224 has been separated into 2 reports due to sample volume, reports are E505143-E505144.

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:	Charles Ling 223/224
Work Order:	E505154
Job Number:	23003-0002
Received:	5/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/20/25

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

Date Reported: 5/20/25

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

Project Name: Charles Ling 223/224
Workorder: E505154
Date Received: 5/14/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/14/2025 7:00:00AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS15-3’ 6

FS17-3’ 7

FS40-3’ 8

FS41-0.5’ 9

FS42-3’ 10

FS43-3’ 11

FS44-0.5’ 12

FS45-0.5’ 13

FS46-0.5’ 14

FS47-3’ 15

FS49-3’ 16

FS52-0.5’ 17

FS53-0.5’ 18

FS54-0.5’ 19

FS55-0.5’ 20

FS56-0.5’ 21

FS71-0.5’ 22

FS72-0.5’ 23

FS73-0.5’ 24

FS75-0.5’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/25 12:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS15-3'	E505154-01A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS17-3'	E505154-02A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS40-3'	E505154-03A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS41-0.5'	E505154-04A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS42-3'	E505154-05A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS43-3'	E505154-06A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS44-0.5'	E505154-07A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS45-0.5'	E505154-08A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS46-0.5'	E505154-09A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS47-3'	E505154-10A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS49-3'	E505154-11A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS52-0.5'	E505154-12A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS53-0.5'	E505154-13A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS54-0.5'	E505154-14A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS55-0.5'	E505154-15A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS56-0.5'	E505154-16A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS71-0.5'	E505154-17A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS72-0.5'	E505154-18A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS73-0.5'	E505154-19A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS75-0.5'	E505154-20A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS15-3'

E505154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**106**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS17-3'

E505154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**218**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS40-3'

E505154-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**116**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS41-0.5'

E505154-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*96.8 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**182**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS42-3'

E505154-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**320**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS43-3'

E505154-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**736**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS44-0.5'

E505154-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	**29.7**	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**319**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS45-0.5'

E505154-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/14/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/14/25*	*05/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**212**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS46-0.5'

E505154-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**184**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS47-3'

E505154-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**1730**	40.0	2	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS49-3'

E505154-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**2620**	40.0	2	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS52-0.5'

E505154-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**232**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS53-0.5'

E505154-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	**68.0**	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**396**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS54-0.5'

E505154-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**121**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS55-0.5'

E505154-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**2110**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS56-0.5'

E505154-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**863**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS71-0.5'

E505154-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**462**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS72-0.5'

E505154-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**192**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS73-0.5'

E505154-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	**89.1**	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	**84.6**	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**486**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

FS75-0.5'

E505154-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520075
Diesel Range Organics (C10-C28)	**67.6**	25.0	1	05/14/25	05/15/25	
Oil Range Organics (C28-C36)	**115**	50.0	1	05/14/25	05/15/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/14/25*	*05/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2520124
Chloride	**3580**	40.0	2	05/16/25	05/17/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

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 (2520068-BLK1)									Prepared: 05/14/25 Analyzed: 05/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.12*		*8.00*		*101*	*70-130*			
LCS (2520068-BS1)									Prepared: 05/14/25 Analyzed: 05/15/25
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.27	0.0250	5.00		105	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.7*	*70-130*			
Matrix Spike (2520068-MS1)				**Source: E505154-08**					Prepared: 05/14/25 Analyzed: 05/15/25
Benzene	4.85	0.0250	5.00	ND	97.1	70-130			
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130			
Toluene	5.02	0.0250	5.00	ND	100	70-130			
o-Xylene	4.93	0.0250	5.00	ND	98.7	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.1	0.0250	15.0	ND	100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2520068-MSD1)				**Source: E505154-08**					Prepared: 05/14/25 Analyzed: 05/15/25
Benzene	5.17	0.0250	5.00	ND	103	70-130	6.26	27	
Ethylbenzene	5.37	0.0250	5.00	ND	107	70-130	6.47	26	
Toluene	5.35	0.0250	5.00	ND	107	70-130	6.37	20	
o-Xylene	5.28	0.0250	5.00	ND	106	70-130	6.86	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	6.21	23	
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130	6.42	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.10*		*8.00*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

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 (2520068-BLK1)									Prepared: 05/14/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2520068-BS2)									Prepared: 05/14/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2520068-MS2)				**Source: E505154-08**					Prepared: 05/14/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.8*	*70-130*			
Matrix Spike Dup (2520068-MSD2)				**Source: E505154-08**					Prepared: 05/14/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.6	70-130	9.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

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 (2520075-BLK1)									Prepared: 05/14/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.9*		*50.0*		*97.7*	*61-141*			
LCS (2520075-BS1)									Prepared: 05/14/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	265	25.0	250		106	66-144			
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			
Matrix Spike (2520075-MS1)				**Source: E505154-04**					Prepared: 05/14/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.3*	*61-141*			
Matrix Spike Dup (2520075-MSD1)				**Source: E505154-04**					Prepared: 05/14/25 Analyzed: 05/14/25
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156	0.176	20	
Surrogate: n-Nonane	*49.4*		*50.0*		*98.9*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 12:57:53PM

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 (2520124-BLK1)									Prepared: 05/16/25 Analyzed: 05/17/25
Chloride	ND	20.0							
LCS (2520124-BS1)									Prepared: 05/16/25 Analyzed: 05/17/25
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2520124-MS1)				**Source: E505154-04**					Prepared: 05/16/25 Analyzed: 05/17/25
Chloride	405	20.0	250	182	89.1	80-120			
Matrix Spike Dup (2520124-MSD1)				**Source: E505154-04**					Prepared: 05/16/25 Analyzed: 05/17/25
Chloride	480	20.0	250	182	119	80-120	17.1	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:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/25 12:57

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505154	1D 2D 3D Std	NM CO UT TX
Project Name: Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1106	5/12/25	S	1	FS15 - 3'		1									X			2.1	
1105		S	1	FS17 - 3'		2									X			3.5	
1102		S	1	FS40 - 3'		3									X			2.8	
1103		S	1	FS41 - 0.5'		4									X			2.6	
1107		S	1	FS42 - 3'		5									X			1.8	
1100		S	1	FS43 - 3'		6									X			1.2	
1103		S	1	FS44 - 0.5'		7									X			3.5	
1102		S	1	FS45 - 0.5'		8									X			3.0	
1051		S	1	FS46 - 0.5'		9									X			2.8	
1107		S	1	FS47 - 3'		10									X			2.3	

EPA Program			
SDWA	CWA	RCRA	
Compliance	Y	or	N
PWSID #			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-13-25		Michelle Gonzales	5-13-25	0711
Michelle Gonzales	5-13-25	1600		5.13.25	1630
Andrew M.	5-13-25	2215	Caitlin Mars	5.14.25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505154	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1109	5/12/25	S	1	FS49 - 3'		11									X			0.9	
1048	"	S	1	FS52 - 0.5'		12									X			0.9	
1055	"	S	1	FS53 - 0.5'		13									X			2.7	
1045	"	S	1	FS54 - 0.5'		14									X			3.0	
1038	"	S	1	FS55 - 0.5'		15									X			2.6	
1040	"	S	1	FS56 - 0.5'		16									X			2.2	
1059	"	S	1	FS71 - 0.5'		17									X			1.5	
1044	"	S	1	FS72 - 0.5'		18									X			2.1	
1037	"	S	1	FS73 - 0.5'		19									X			1.8	
1059	"	S	1	FS75 - 0.5'		20									X			2.6	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-13-25		Michelle Gonzales	5-13-25	0711
Michelle Gonzales	5.13.25	1600		5.13.25	1630
	5.13.25	2215	Caitlin Mason	5/14/25	700

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

Lab Use Only

Received on ice: (Y)/ N

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 Analytical Laboratory

Printed: 5/14/2025 9:13:37AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/14/25 07:00	Work Order ID:	E505154
Phone:	(972) 371-5200	Date Logged In:	05/13/25 15:07	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/20/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Charles Ling 223/224 has been separated into 2 reports. WO are E505154 & E505155.

Client Instruction

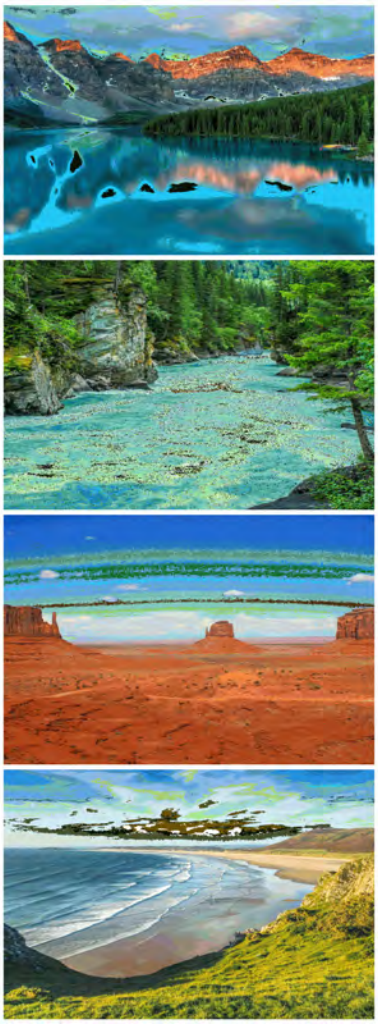
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling 223/224
Work Order:	E505155
Job Number:	23003-0002
Received:	5/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/20/25

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

Date Reported: 5/20/25

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

Project Name: Charles Ling 223/224
Workorder: E505155
Date Received: 5/14/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/14/2025 7:00:00AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS108-0.5’ 6

FS111-0.5’ 7

FS113-0.5’ 8

FS121-0.5’ 9

FS122-0.5’ 10

FS124-1’ 11

FS125-0.5’ 12

FS127-0.5’ 13

FS134-0.5’ 14

FS136-2’ 15

FS140-2’ 16

FS141-2’ 17

FS142-0.5’ 18

FS143-0.5’ 19

FS145-2’ 20

FS147-0.5’ 21

FS149-2’ 22

FS150-0.5’ 23

FS151-0.5’ 24

QC Summary Data 25

Table of Contents (continued)

QC - Volatile Organics by EPA 8021B 25

QC - Nonhalogenated Organics by EPA 8015D - GRO 26

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 27

QC - Anions by EPA 300.0/9056A 28

Definitions and Notes 29

Chain of Custody etc. 30

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/25 16:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS108-0.5'	E505155-01A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS111-0.5'	E505155-02A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS113-0.5'	E505155-03A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS121-0.5'	E505155-04A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS122-0.5'	E505155-05A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS124-1'	E505155-06A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS125-0.5'	E505155-07A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS127-0.5'	E505155-08A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS134-0.5'	E505155-09A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS136-2'	E505155-10A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS140-2'	E505155-11A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS141-2'	E505155-12A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS142-0.5'	E505155-13A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS143-0.5'	E505155-14A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS145-2'	E505155-15A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS147-0.5'	E505155-16A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS149-2'	E505155-17A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS150-0.5'	E505155-18A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
FS151-0.5'	E505155-19A	Soil	05/12/25	05/14/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS108-0.5'

E505155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.9 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1730**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS111-0.5'

E505155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**863**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1840**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS113-0.5'

E505155-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.6 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**759**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS121-0.5'

E505155-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**34.6**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1170**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS122-0.5'

E505155-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.6 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**119**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	**134**	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**3520**	40.0	2	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS124-1'

E505155-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**37.9**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1220**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS125-0.5'

E505155-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/15/25	
Toluene	ND	0.0250	1	05/14/25	05/15/25	
o-Xylene	ND	0.0250	1	05/14/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.1 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/14/25*	*05/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**174**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	**167**	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1040**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS127-0.5'

E505155-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.1 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**284**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	**210**	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**2120**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS134-0.5'

E505155-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.0 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**57.0**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**3340**	40.0	2	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS136-2'

E505155-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.2 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**464**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**356**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS140-2'

E505155-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.0 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**575**	25.0	1	05/14/25	05/16/25	
Oil Range Organics (C28-C36)	**107**	50.0	1	05/14/25	05/16/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/14/25*	*05/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**751**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS141-2'

E505155-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**667**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1270**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS142-0.5'

E505155-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**134**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	**84.1**	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1420**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS143-0.5'

E505155-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**410**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	**208**	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1070**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS145-2'

E505155-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**246**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**232**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS147-0.5'

E505155-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**647**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	**877**	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**2170**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS149-2'

E505155-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**269**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**228**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS150-0.5'

E505155-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**275**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	**141**	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1840**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

FS151-0.5'

E505155-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Benzene	ND	0.0250	1	05/14/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/16/25	
Toluene	ND	0.0250	1	05/14/25	05/16/25	
o-Xylene	ND	0.0250	1	05/14/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520069
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*05/14/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520123
Diesel Range Organics (C10-C28)	**60.0**	25.0	1	05/14/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/25	05/17/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/14/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520125
Chloride	**1110**	20.0	1	05/16/25	05/17/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

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 (2520069-BLK1)									Prepared: 05/14/25 Analyzed: 05/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.68*		*8.00*		*83.5*	*70-130*			
LCS (2520069-BS1)									Prepared: 05/14/25 Analyzed: 05/15/25
Benzene	5.91	0.0250	5.00		118	70-130			
Ethylbenzene	5.80	0.0250	5.00		116	70-130			
Toluene	5.88	0.0250	5.00		118	70-130			
o-Xylene	5.70	0.0250	5.00		114	70-130			
p,m-Xylene	11.7	0.0500	10.0		117	70-130			
Total Xylenes	17.4	0.0250	15.0		116	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.95*		*8.00*		*86.8*	*70-130*			
Matrix Spike (2520069-MS1)				**Source: E505155-07**					Prepared: 05/14/25 Analyzed: 05/15/25
Benzene	5.69	0.0250	5.00	ND	114	70-130			
Ethylbenzene	5.58	0.0250	5.00	ND	112	70-130			
Toluene	5.64	0.0250	5.00	ND	113	70-130			
o-Xylene	5.47	0.0250	5.00	ND	109	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.86*		*8.00*		*85.7*	*70-130*			
Matrix Spike Dup (2520069-MSD1)				**Source: E505155-07**					Prepared: 05/14/25 Analyzed: 05/20/25
Benzene	5.27	0.0250	5.00	ND	105	70-130	7.73	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	7.32	26	
Toluene	5.23	0.0250	5.00	ND	105	70-130	7.56	20	
o-Xylene	5.08	0.0250	5.00	ND	102	70-130	7.47	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	7.14	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	7.25	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.05*		*8.00*		*88.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

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 (2520069-BLK1)									Prepared: 05/14/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.3*	*70-130*			
LCS (2520069-BS2)									Prepared: 05/14/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		83.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2520069-MS2)				**Source: E505155-07**					Prepared: 05/14/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
Matrix Spike Dup (2520069-MSD2)				**Source: E505155-07**					Prepared: 05/14/25 Analyzed: 05/15/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.1	70-130	15.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

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 (2520123-BLK1)									Prepared: 05/16/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.7*		*50.0*		*115*	*61-141*			
LCS (2520123-BS1)									Prepared: 05/16/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*61-141*			
Matrix Spike (2520123-MS1)				**Source: E505155-02RE1**					Prepared: 05/16/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	1090	25.0	250	863	89.1	56-156			
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*61-141*			
Matrix Spike Dup (2520123-MSD1)				**Source: E505155-02RE1**					Prepared: 05/16/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	1320	25.0	250	863	182	56-156	19.3	20	M4
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 4:29:25PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520125-BLK1)									Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	ND	20.0							
LCS (2520125-BS1)									Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2520125-MS1)				**Source: E505155-01**					Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	2490	20.0	250	1730	300	80-120			M4
Matrix Spike Dup (2520125-MSD1)				**Source: E505155-01**					Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	2080	20.0	250	1730	138	80-120	17.8	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/25 16:29

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT				State				
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505155	Job Number 23003.0002	1D	2D	3D	Std	NM	CO	UT	TX	
Project Name:Charles Ling 223/224	Address: 3122 National Parks Hwy						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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1431	5/12/25	S	1	FS108 - 0.5'		1									X			2.0	
1439		S	1	FS111 - 0.5'		2									X			1.6	
1435		S	1	FS113 - 0.5'		3									X			3.0	
1049		S	1	FS121 - 0.5'		4									X			2.6	
1429		S	1	FS122 - 0.5'		5									X			2.4	
1406		S	1	FS124 - 1'		6									X			0.8	
1047		S	1	FS125 - 0.5'		7									X			1.1	
1047		S	1	FS127 - 0.5'		8									X			1.6	
1428		S	1	FS134 - 0.5'		9									X			1.4	
1405		S	1	FS136 - 2'		10									X			2.0	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-13-25		Michelle Gonzales	5-13-25	0711
Michelle Gonzales	5-13-25	1600		5.13.25	1630
	5.13.25	2215		5.14.25	700

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

Lab Use Only

Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505155	Job Number 23003.0002	1D 2D 3D Std: X	NM CO UT TX: X
Project Name: Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1358	5/12/25	S	1	FS140 - 2'		11									X			2.4	
1401		S	1	FS141 - 2'		12									X			2.2	
1426		S	1	FS142 - 0.5'		13									X			3.2	
1424		S	1	FS143 - 0.5'		14									X			2.8	
1404		S	1	FS145 - 2'		15									X			1.8	
1416		S	1	FS147 - 0.5'		16									X			2.6	
1308		S	1	FS149 - 2'		17									X			2.4	
1421		S	1	FS150 - 0.5'		18									X			1.0	
1421		S	1	FS151 - 0.5'		19									X			1.4	
		S	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, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-13-25		Michelle Gonzales	5.13.25	0711
Michelle Gonzales	5-13-25	1600		5.13.25	1630
	5.13.25	2215	Caitlin Mars	5.14.25	700

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

Lab Use Only

Received on ice: Y / N

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 Analytical Laboratory

Printed: 5/14/2025 9:15:40AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/14/25 07:00	Work Order ID:	E505155
Phone:	(972) 371-5200	Date Logged In:	05/13/25 15:11	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/20/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Charles Ling 223/224 has been separated into 2 reports. WO are E505154 & E505155.

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:	Charles Ling 223/224
Work Order:	E505165
Job Number:	23003-0002
Received:	5/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/21/25

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

Date Reported: 5/21/25

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

Project Name: Charles Ling 223/224
Workorder: E505165
Date Received: 5/15/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/15/2025 8:00:00AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS50-3’ 6

FS51-3’ 7

FS58-3’ 8

FS62-3’ 9

FS65-3’ 10

FS66-3’ 11

FS67-3’ 12

FS68-2’ 13

FS69-3’ 14

FS99-0.5’ 15

FS100-0.5’ 16

FS101-0.5’ 17

FS102-0.5’ 18

FS103-0.5’ 19

FS109-0.5’ 20

FS110-0.5’ 21

FS112-0.5’ 22

FS115-3’ 23

FS137-2’ 24

FS138-2’ 25

Table of Contents (continued)

FS139-2' 26

FS144-2' 27

QC Summary Data 28

QC - Volatile Organics by EPA 8021B 28

QC - Nonhalogenated Organics by EPA 8015D - GRO 30

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 32

QC - Anions by EPA 300.0/9056A 34

Definitions and Notes 36

Chain of Custody etc. 37

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/21/25 12:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS50-3'	E505165-01A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS51-3'	E505165-02A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS58-3'	E505165-03A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS62-3'	E505165-04A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS65-3'	E505165-05A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS66-3'	E505165-06A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS67-3'	E505165-07A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS68-2'	E505165-08A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS69-3'	E505165-09A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS99-0.5'	E505165-10A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS100-0.5'	E505165-11A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS101-0.5'	E505165-12A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS102-0.5'	E505165-13A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS103-0.5'	E505165-14A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS109-0.5'	E505165-15A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS110-0.5'	E505165-16A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS112-0.5'	E505165-17A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS115-3'	E505165-18A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS137-2'	E505165-19A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS138-2'	E505165-20A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS139-2'	E505165-21A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.
FS144-2'	E505165-22A	Soil	05/13/25	05/15/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS50-3'

E505165-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**6190**	100	5	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS51-3'

E505165-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**41.2**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**3010**	40.0	2	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS58-3'

E505165-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.6 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**30.2**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**3620**	100	5	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS62-3'

E505165-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.1 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**61.9**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	**64.3**	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**515**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS65-3'

E505165-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**42.0**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**1410**	40.0	2	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS66-3'

E505165-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.8 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**39.2**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	**50.5**	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**543**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS67-3'

E505165-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**243**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS68-2'

E505165-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.4 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**1390**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS69-3'

E505165-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.5 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**25.5**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**1220**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS99-0.5'

E505165-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**25.4**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**367**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS100-0.5'

E505165-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*79.9 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**37.6**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**1930**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS101-0.5'

E505165-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**49.1**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	**53.0**	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**609**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS102-0.5'

E505165-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**47.9**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**780**	20.0	1	05/16/25	05/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS103-0.5'

E505165-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**64.1**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	**72.8**	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**861**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS109-0.5'

E505165-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.9 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**137**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	**97.7**	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**2460**	40.0	2	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS110-0.5'

E505165-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.5 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**106**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	**96.3**	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**741**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS112-0.5'

E505165-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**158**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**1260**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS115-3'

E505165-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**66.2**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	**68.1**	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**1580**	40.0	2	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS137-2'

E505165-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.6 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**39.6**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS138-2'

E505165-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520093
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520102
Diesel Range Organics (C10-C28)	**37.3**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520133
Chloride	**29.1**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS139-2'

E505165-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520094
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520094
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520099
Diesel Range Organics (C10-C28)	**95.7**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520127
Chloride	**146**	20.0	1	05/16/25	05/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

FS144-2'

E505165-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2520094
Benzene	ND	0.0250	1	05/15/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/15/25	05/16/25	
Toluene	ND	0.0250	1	05/15/25	05/16/25	
o-Xylene	ND	0.0250	1	05/15/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/15/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/15/25	05/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2520094
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/25	05/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*05/15/25*	*05/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2520099
Diesel Range Organics (C10-C28)	**185**	25.0	1	05/15/25	05/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/15/25*	*05/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520127
Chloride	**112**	20.0	1	05/16/25	05/17/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

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 (2520093-BLK1)									Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.37*		*8.00*		*105*	*70-130*			
LCS (2520093-BS1)									Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		*8.00*		*99.2*	*70-130*			
Matrix Spike (2520093-MS1)				**Source: E505165-09**					Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	5.26	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.28	0.0250	5.00	ND	106	70-130			
Toluene	5.25	0.0250	5.00	ND	105	70-130			
o-Xylene	5.23	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.56*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2520093-MSD1)				**Source: E505165-09**					Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	5.10	0.0250	5.00	ND	102	70-130	3.16	27	
Ethylbenzene	5.13	0.0250	5.00	ND	103	70-130	2.95	26	
Toluene	5.09	0.0250	5.00	ND	102	70-130	3.07	20	
o-Xylene	5.08	0.0250	5.00	ND	102	70-130	2.90	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	3.01	23	
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130	2.97	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*8.00*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

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 (2520094-BLK1)									Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.5*	*70-130*			
LCS (2520094-BS1)									Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	4.38	0.0250	5.00		87.6	70-130			
Ethylbenzene	4.37	0.0250	5.00		87.4	70-130			
Toluene	4.37	0.0250	5.00		87.5	70-130			
o-Xylene	4.36	0.0250	5.00		87.2	70-130			
p,m-Xylene	8.89	0.0500	10.0		88.9	70-130			
Total Xylenes	13.2	0.0250	15.0		88.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2520094-MS1)				**Source: E505161-06**					Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	4.96	0.0250	5.00	ND	99.2	70-130			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	70-130			
Toluene	4.93	0.0250	5.00	ND	98.7	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike Dup (2520094-MSD1)				**Source: E505161-06**					Prepared: 05/15/25 Analyzed: 05/16/25
Benzene	4.50	0.0250	5.00	ND	90.0	70-130	9.65	27	
Ethylbenzene	4.49	0.0250	5.00	ND	89.7	70-130	9.47	26	
Toluene	4.49	0.0250	5.00	ND	89.8	70-130	9.47	20	
o-Xylene	4.50	0.0250	5.00	ND	89.9	70-130	8.22	25	
p,m-Xylene	9.12	0.0500	10.0	ND	91.2	70-130	9.09	23	
Total Xylenes	13.6	0.0250	15.0	ND	90.8	70-130	8.80	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

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 (2520093-BLK1)									Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.58*		*8.00*		*82.3*	*70-130*			
LCS (2520093-BS2)									Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
Matrix Spike (2520093-MS2)				**Source: E505165-09**					Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	ND	112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.79*		*8.00*		*84.9*	*70-130*			
Matrix Spike Dup (2520093-MSD2)				**Source: E505165-09**					Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.3	70-130	12.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.00*		*8.00*		*87.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

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 (2520094-BLK1)									Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.59*		*8.00*		*107*	*70-130*			
LCS (2520094-BS2)									Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.65*		*8.00*		*108*	*70-130*			
Matrix Spike (2520094-MS2)				**Source: E505161-06**					Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.71*		*8.00*		*109*	*70-130*			
Matrix Spike Dup (2520094-MSD2)				**Source: E505161-06**					Prepared: 05/15/25 Analyzed: 05/16/25
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.73*		*8.00*		*109*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520099-BLK1)									Prepared: 05/15/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*61-141*			
LCS (2520099-BS1)									Prepared: 05/15/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	277	25.0	250		111	66-144			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
Matrix Spike (2520099-MS1)				**Source: E505163-09**					Prepared: 05/15/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2520099-MSD1)				**Source: E505163-09**					Prepared: 05/15/25 Analyzed: 05/16/25
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156	0.962	20	
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520102-BLK1)									Prepared: 05/15/25 Analyzed: 05/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
LCS (2520102-BS1)									Prepared: 05/15/25 Analyzed: 05/17/25
Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			
Matrix Spike (2520102-MS1)				**Source: E505165-02**					Prepared: 05/15/25 Analyzed: 05/17/25
Diesel Range Organics (C10-C28)	312	25.0	250	41.2	108	56-156			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2520102-MSD1)				**Source: E505165-02**					Prepared: 05/15/25 Analyzed: 05/17/25
Diesel Range Organics (C10-C28)	312	25.0	250	41.2	108	56-156	0.0365	20	
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

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 (2520127-BLK1)									Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	ND	20.0							
LCS (2520127-BS1)									Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2520127-MS1)				**Source: E505153-23**					Prepared: 05/16/25 Analyzed: 05/17/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2520127-MSD1)				**Source: E505153-23**					Prepared: 05/16/25 Analyzed: 05/17/25
Chloride	258	20.0	250	ND	103	80-120	0.898	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/21/2025 12:03:30PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520133-BLK1)									Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	ND	20.0							
LCS (2520133-BS1)									Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2520133-MS1)				**Source: E505165-05**					Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	1680	40.0	250	1410	106	80-120			
Matrix Spike Dup (2520133-MSD1)				**Source: E505165-05**					Prepared: 05/16/25 Analyzed: 05/16/25
Chloride	1650	40.0	250	1410	93.7	80-120	1.86	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:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/21/25 12:03

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

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505105	Job Number 23003.0002	1D 2D 3D Std: X	NM CO UT TX: X
Project Name: Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1423	5-13-25	S	1	FS50 - 3'		1									X			3.4	
1425	"	S	1	FS51 - 3'		2									X			3.6	
1427	"	S	1	FS58 - 3'		3									X			3.2	
1456	"	S	1	FS62 - 3'		4									X			2.6	
1458	"	S	1	FS65 - 3'		5									X			2.4	
1504	"	S	1	FS66 - 3'		6									X			2.8	
1506	"	S	1	FS67 - 3'		7									X			3.0	
1502	"	S	1	FS68 - 2'		8									X			3.4	
1508	"	S	1	FS69 - 3'		9									X			3.8	
1305	"	S	1	FS99 - 0.5'		10									X			3.6	

Analysis and Method	EPA Program
	SDWA CWA RCRA
	Compliance Y or N
	PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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
	5-14-25		Michelle Gonzales	5.14.25	1030
Michelle Gonzales	5-14-25	1700		5.14.25	1700
	5.14.25	2300		5.15.25	800

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

Lab Use Only
Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505165	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	Address: 3122 National Parks Hwy	Job Number 23C03-0002	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1303	5-13-25	S	1	FS100-0.5'		11									X			3.0	
1256	"	S	1	FS101-0.5'		12									X			2.6	
1300	"	S	1	FS102-0.5'		13									X			2.4	
1258	"	S	1	FS103-0.5'		14									X			2.1	
1254	"	S	1	FS109-0.5'		15									X			2.0	
1249	"	S	1	FS110-0.5'		16									X			3.2	
1252	"	S	1	FS112-0.5'		17									X			3.4	
1500	"	S	1	FS115-3'		18									X			1.8	
1005	"	S	1	FS137-2'		19									X			2.0	
1002	"	S	1	FS138-2'		20									X			2.2	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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
[signature]	5-14-25		Michelle Gonzales	5.14.25	1030
Michelle Gonzales	5-14-25	1700	[signature]	5.14.25	1700
[signature]	5.14.25	2300	Caitlin Hamilton	5.15.25	800

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

Lab Use Only

Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505105	Job Number 23003.0002	1D 2D 3D Std: X	NM: X CO UT TX
Project Name:Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
0959	5-13-25	S	1	FS139 - 2'		21									X			2.6	
1000	1	S	1	FS144 - 2'		22									X			2.4	
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	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, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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
[signature]	5-14-25		Michelle Gonzales	5-14-25	1030
Michelle Gonzales	5.14.25	1700	[signature] M.	5.14.25	1700
[signature] M.	5.14.25	2300	Caitlin Mar	5.15.25	800

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

Lab Use Only

Received on ice: (Y) N

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 Analytical Laboratory

Printed: 5/15/2025 10:00:45AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/15/25 08:00	Work Order ID:	E505165
Phone:	(972) 371-5200	Date Logged In:	05/14/25 15:51	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/21/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

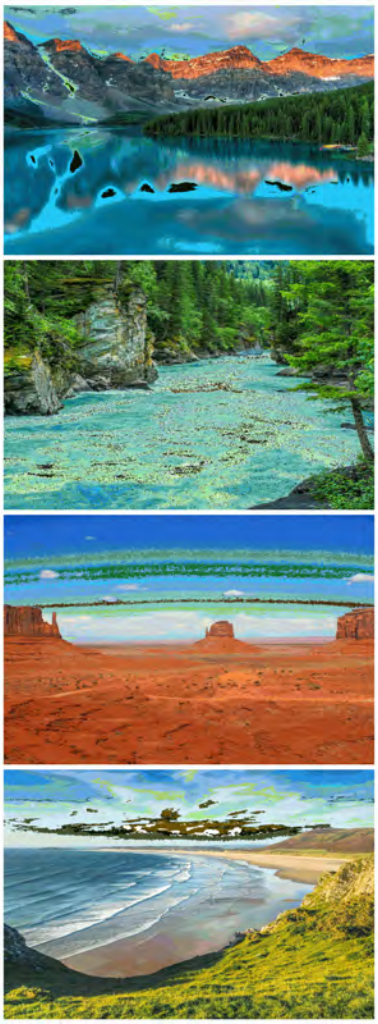
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

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:	Charles Ling 223/224
Work Order:	E505181
Job Number:	23003-0002
Received:	5/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/22/25

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

Date Reported: 5/22/25

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

Project Name: Charles Ling 223/224
Workorder: E505181
Date Received: 5/16/2025 8:30:22AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/16/2025 8:30:22AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS37-0.5’ 6

FS59-0.5’ 7

FS61-3’ 8

FS64-0.5’ 9

FS70-1’ 10

FS74-0.5’ 11

FS86-0.5’ 12

FS87-0.5’ 13

FS88-0.5’ 14

FS90-0.5’ 15

FS91-0.5’ 16

FS95-0.5’ 17

FS96-0.5’ 18

FS98-0.5’ 19

FS85-0.5’ 20

FS104-0.5’ 21

FS107-0.5’ 22

FS114-0.5’ 23

FS116-0.5’ 24

FS117-0.5’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/22/25 14:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS37-0.5'	E505181-01A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS59-0.5'	E505181-02A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS61-3'	E505181-03A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS64-0.5'	E505181-04A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS70-1'	E505181-05A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS74-0.5'	E505181-06A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS86-0.5'	E505181-07A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS87-0.5'	E505181-08A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS88-0.5'	E505181-09A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS90-0.5'	E505181-10A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS91-0.5'	E505181-11A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS95-0.5'	E505181-12A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS96-0.5'	E505181-13A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS98-0.5'	E505181-14A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS85-0.5'	E505181-15A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS104-0.5'	E505181-16A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS107-0.5'	E505181-17A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS114-0.5'	E505181-18A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS116-0.5'	E505181-19A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS117-0.5'	E505181-20A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS37-0.5'

E505181-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**475**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**859**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**5320**	100	5	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS59-0.5'

E505181-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**146**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**101**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**1820**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS61-3'

E505181-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**35.2**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**5730**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS64-0.5'

E505181-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*130 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**1030**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS70-1'

E505181-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**31.5**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**1000**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS74-0.5'

E505181-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**218**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**249**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*128 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**641**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS86-0.5'

E505181-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**238**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**106**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**3170**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS87-0.5'

E505181-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**290**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**147**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**4280**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS88-0.5'

E505181-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**144**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**96.3**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**2730**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS90-0.5'

E505181-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**44.8**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**3630**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS91-0.5'

E505181-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**86.5**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**53.5**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**4240**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS95-0.5'

E505181-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**167**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**201**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**3920**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS96-0.5'

E505181-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**5360**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS98-0.5'

E505181-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**105**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**66.7**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**1400**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS85-0.5'

E505181-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**426**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**304**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**5200**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS104-0.5'

E505181-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**184**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**141**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**5130**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS107-0.5'

E505181-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**92.8**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**3630**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS114-0.5'

E505181-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**136**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**93.9**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**1740**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS116-0.5'

E505181-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.3 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**96.3**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**51.5**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**5950**	100	5	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

FS117-0.5'

E505181-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520116
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521020
Diesel Range Organics (C10-C28)	**131**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**97.3**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521010
Chloride	**3480**	40.0	2	05/19/25	05/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

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 (2520116-BLK1)									Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.57*		*8.00*		*82.1*	*70-130*			
LCS (2520116-BS1)									Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	4.30	0.0250	5.00		86.0	70-130			
Ethylbenzene	4.22	0.0250	5.00		84.4	70-130			
Toluene	4.28	0.0250	5.00		85.5	70-130			
o-Xylene	4.19	0.0250	5.00		83.7	70-130			
p,m-Xylene	8.56	0.0500	10.0		85.6	70-130			
Total Xylenes	12.7	0.0250	15.0		85.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.03*		*8.00*		*87.9*	*70-130*			
Matrix Spike (2520116-MS1)				**Source: E505181-06**					Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	4.77	0.0250	5.00	ND	95.4	70-130			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	70-130			
Toluene	4.72	0.0250	5.00	ND	94.4	70-130			
o-Xylene	4.59	0.0250	5.00	ND	91.8	70-130			
p,m-Xylene	9.41	0.0500	10.0	ND	94.1	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.94*		*8.00*		*86.8*	*70-130*			
Matrix Spike Dup (2520116-MSD1)				**Source: E505181-06**					Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	5.02	0.0250	5.00	ND	100	70-130	5.19	27	
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	70-130	5.54	26	
Toluene	4.97	0.0250	5.00	ND	99.4	70-130	5.23	20	
o-Xylene	4.83	0.0250	5.00	ND	96.7	70-130	5.12	25	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	70-130	5.43	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	5.33	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.96*		*8.00*		*87.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

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 (2520116-BLK1)									Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.4*	*70-130*			
LCS (2520116-BS2)									Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike (2520116-MS2)				**Source: E505181-06**					Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			
Matrix Spike Dup (2520116-MSD2)				**Source: E505181-06**					Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	1.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

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 (2521020-BLK1)									Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.9*		*50.0*		*116*	*61-141*			
LCS (2521020-BS1)									Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	305	25.0	250		122	66-144			
Surrogate: n-Nonane	*58.2*		*50.0*		*116*	*61-141*			
Matrix Spike (2521020-MS1)				**Source: E505181-05**					Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	336	25.0	250	31.5	122	56-156			
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*61-141*			
Matrix Spike Dup (2521020-MSD1)				**Source: E505181-05**					Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	343	25.0	250	31.5	125	56-156	2.03	20	
Surrogate: n-Nonane	*59.0*		*50.0*		*118*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:40:34PM

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 (2521010-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	ND	20.0							
LCS (2521010-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2521010-MS1)				**Source: E505181-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	5880	40.0	250	5730	61.4	80-120			M4
Matrix Spike Dup (2521010-MSD1)				**Source: E505181-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	5910	40.0	250	5730	71.1	80-120	0.413	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/22/25 14:40

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505181	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	Address: 3122 National Parks Hwy	Job Number 23103.0002	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1051	05/14/2025	S	1	FS37-0.5'		1									X			0.8	
1056	05/14/2025	S	1	FS59-0.5'		2									X			1.2	
1058	05/14/2025	S	1	FS61-3'		3									X			0.9	
1105	05/14/2025	S	1	FS64-0.5'		4									X			1.6	
1257	05/14/2025	S	1	FS70-1'		5									X			1.8	
1242	05/14/2025	S	1	FS74-0.5'		6									X			2.0	
1048	05/14/2025	S	1	FS86-0.5'		7									X			2.1	
1055	05/14/2025	S	1	FS87-0.5'		8									X			2.3	
1205	05/14/2025	S	1	FS88-0.5'		9									X			2.0	
1047	05/14/2025	S	1	FS90-0.5'		10									X			2.6	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-15-25		Michelle Gonzales	5-15 25	0711
Michelle Gonzales	5-15-25	1600		5-15-25	1600
	5.15.25	2215	Cath Ma	5.16.25	830

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

Lab Use Only

Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E305181	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1044	05/14/2025	S	1	FS91-0.5'		11									X			2.6	
1037	05/14/2025	S	1	FS95-0.5'		12									X			2.4	
1038	05/14/2025	S	1	FS96-0.5'		13									X			2.0	
1040	05/14/2025	S	1	FS98-0.5'		14									X			1.6	
1051	05/14/2025	S	1	FS85-0.5'		15									X			1.2	
1044	05/14/2025	S	1	FS104-0.5'		16									X			1.1	
1221	05/14/2025	S	1	FS107-0.5'		17									X			1.0	
1159	05/14/2025	S	1	FS114-0.5'		18									X			0.8	
1220	05/14/2025	S	1	FS116-0.5'		19									X			1.2	
1108	05/14/2025	S	1	FS117-0.5'		20									X			1.3	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-15-25		Michelle Gonzales	5-15-25	0711
Michelle Gonzales	5-15-25	1600		5.15.25	1600
	5.15.25	2215		5.16.25	830

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

Lab Use Only
Received on ice: Y/N

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 Analytical Laboratory

Printed: 5/19/2025 2:05:01PM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/16/25 08:30	Work Order ID:	E505181
Phone:	(972) 371-5200	Date Logged In:	05/15/25 15:15	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Charles Ling 223/224 has been separated into 2 reports. Wo are E505181 & E505182.

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:	Charles Ling 223/224
Work Order:	E505182
Job Number:	23003-0002
Received:	5/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/22/25

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

Date Reported: 5/22/25

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

Project Name: Charles Ling 223/224
Workorder: E505182
Date Received: 5/16/2025 8:30:22AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/16/2025 8:30:22AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS118-1’ 5
- FS119-1’ 6
- FS120-0.5’ 7
- FS123-1’ 8
- FS126-1’ 9
- FS128-0.5’ 10
- FS129-0.5’ 11
- FS131-0.5’ 12
- FS132-0.5’ 13
- FS133-0.5’ 14
- FS134-0.5’ 15
- FS135-0.5’ 16
- SW02-0-2’ 17

QC Summary Data 18

- QC - Volatile Organics by EPA 8021B 18
- QC - Nonhalogenated Organics by EPA 8015D - GRO 19
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 20
- QC - Anions by EPA 300.0/9056A 21

Definitions and Notes 22

Chain of Custody etc. 23

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/22/25 14:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS118-1'	E505182-01A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS119-1'	E505182-02A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS120-0.5'	E505182-03A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS123-1'	E505182-04A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS126-1'	E505182-05A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS128-0.5'	E505182-06A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS129-0.5'	E505182-07A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS131-0.5'	E505182-08A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS132-0.5'	E505182-09A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS133-0.5'	E505182-10A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS134-0.5'	E505182-11A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
FS135-0.5'	E505182-12A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SW02-0-2'	E505182-13A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS118-1'

E505182-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**40.0**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*128 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**1070**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS119-1'

E505182-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**37.0**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*131 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**2970**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS120-0.5'

E505182-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**338**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**389**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**2780**	40.0	2	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS123-1'

E505182-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**237**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**186**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**1120**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS126-1'

E505182-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**84.1**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**83.5**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*126 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**921**	20.0	1	05/19/25	05/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS128-0.5'

E505182-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**109**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**101**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*132 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**2730**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS129-0.5'

E505182-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**988**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**1820**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**614**	20.0	1	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS131-0.5'

E505182-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.1 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**486**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**728**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**4200**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS132-0.5'

E505182-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**499**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**376**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**2590**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS133-0.5'

E505182-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**27.6**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**3790**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS134-0.5'

E505182-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**279**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**99.6**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*124 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**5430**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

FS135-0.5'

E505182-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**220**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**80.6**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**3550**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

SW02-0-2'

E505182-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Benzene	ND	0.0250	1	05/16/25	05/21/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/21/25	
Toluene	ND	0.0250	1	05/16/25	05/21/25	
o-Xylene	ND	0.0250	1	05/16/25	05/21/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/21/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2520117
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.8 %*	*70-130*	*05/16/25*	*05/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521025
Diesel Range Organics (C10-C28)	**65.7**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521011
Chloride	**148**	20.0	1	05/19/25	05/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

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 (2520117-BLK1)									Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.68*		*8.00*		*96.0*	*70-130*			
LCS (2520117-BS1)									Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	4.46	0.0250	5.00		89.2	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.1	70-130			
Toluene	4.46	0.0250	5.00		89.2	70-130			
o-Xylene	4.48	0.0250	5.00		89.7	70-130			
p,m-Xylene	8.84	0.0500	10.0		88.4	70-130			
Total Xylenes	13.3	0.0250	15.0		88.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			
Matrix Spike (2520117-MS1)				**Source: E505182-01**					Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	4.87	0.0250	5.00	ND	97.4	70-130			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	70-130			
Toluene	4.87	0.0250	5.00	ND	97.5	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	70-130			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.37*		*8.00*		*105*	*70-130*			
Matrix Spike Dup (2520117-MSD1)				**Source: E505182-01**					Prepared: 05/16/25 Analyzed: 05/20/25
Benzene	5.15	0.0250	5.00	ND	103	70-130	5.58	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	5.18	26	
Toluene	5.14	0.0250	5.00	ND	103	70-130	5.35	20	
o-Xylene	5.14	0.0250	5.00	ND	103	70-130	4.70	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	5.00	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	4.90	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.33*		*8.00*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

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 (2520117-BLK1)									Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.89*		*8.00*		*86.1*	*70-130*			
LCS (2520117-BS2)									Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
Matrix Spike (2520117-MS2)				**Source: E505182-01**					Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2520117-MSD2)				**Source: E505182-01**					Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130	1.40	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.09*		*8.00*		*88.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

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 (2521025-BLK1)									Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*66.7*		*50.0*		*133*	*61-141*			
LCS (2521025-BS1)									Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	326	25.0	250		130	66-144			
Surrogate: n-Nonane	*60.0*		*50.0*		*120*	*61-141*			
Matrix Spike (2521025-MS1)				**Source: E505180-22**					Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	344	25.0	250	ND	138	56-156			
Surrogate: n-Nonane	*59.2*		*50.0*		*118*	*61-141*			
Matrix Spike Dup (2521025-MSD1)				**Source: E505180-22**					Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	386	25.0	250	ND	154	56-156	11.4	20	
Surrogate: n-Nonane	*67.6*		*50.0*		*135*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 2:28:50PM

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 (2521011-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	ND	20.0							
LCS (2521011-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2521011-MS1)				**Source: E505182-04**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	1390	20.0	250	1120	106	80-120			
Matrix Spike Dup (2521011-MSD1)				**Source: E505182-04**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	1370	20.0	250	1120	101	80-120	0.860	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:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/22/25 14:28

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

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505182	1D 2D 3D Std	NM CO UT TX
Project Name:Charles Ling 223/224	Address: 3122 National Parks Hwy	Job Number 23C03.0002	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1111	05/14/2025	S	1	FS 118 - 1'		1									X			2.0	
1115	05/14/2025	S	1	FS 119 - 1'		2									X			1.8	
1111	05/14/2025	S	1	FS 120 - 0.5'		3									X			1.6	
1254	05/14/2025	S	1	FS 123 - 1'		4									X			1.0	
1114	05/14/2025	S	1	FS 126 - 1'		5									X			1.3	
1247	05/14/2025	S	1	FS 128 - 0.5'		6									X			0.8	
1243	05/14/2025	S	1	FS 129 - 0.5'		7									X			0.9	
1255	05/14/2025	S	1	FS 131 - 0.5'		8									X			2.1	
1258	05/14/2025	S	1	FS 132 - 0.5'		9									X			2.2	
1226	05/14/2025	S	1	FS 133 - 0.5'		10									X			2.4	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-15-25		Michelle Gonzales	5-15-25	0711
Michelle Gonzales	5-15-25	1600		5.15.25	1600
	5.15.25	2215		5.16.25	830

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

Lab Use Only
Received on ice: (Y) N

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.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505182	Job Number 23C03-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project Name: Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1215	05/14/2025	S	1	FS 134 - 0.5'		11									X			1.8	
1223	05/14/2025	S	1	FS 135 - 0.5'		12									X			2.6	
1309	05/14/2025	S	1	SW02 - 0 - 2'		13									X			2.2	
	~~05/14/2025~~	~~S~~	~~1~~	HGC															
	~~05/14/2025~~	~~S~~	~~1~~	HGC															

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
HG	5-15-25		Michelle Gonzales	5-15-25	0711
Michelle Gonzales	5.15.25	1600	[signature]	5.15.25	1600
[signature]	5.15.25	2215	Cauth Mar	5.16.25	830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: Y / N

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 Analytical Laboratory

Printed: 5/19/2025 2:12:30PM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/16/25 08:30	Work Order ID:	E505182
Phone:	(972) 371-5200	Date Logged In:	05/15/25 15:19	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Charles Ling 223/224 has been separated into 2 reports. Wo are E505181 & E505182.

Client Instruction

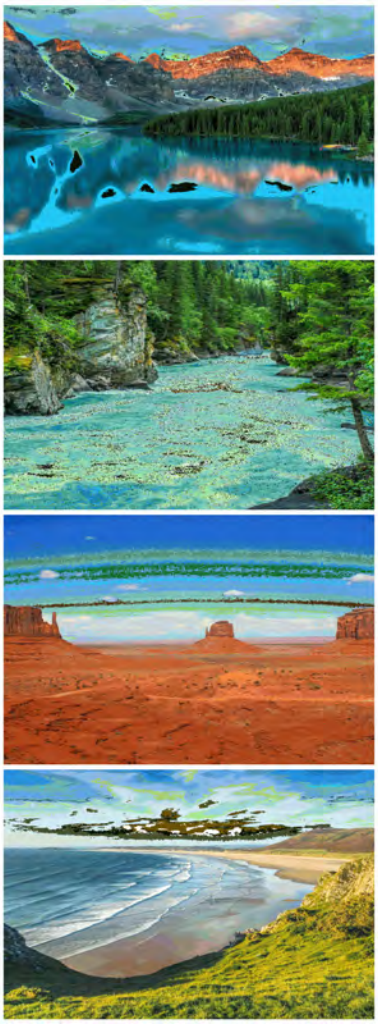
Signature of client authorizing changes to the COC or sample disposition.

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:	Charles Ling 223/224
Work Order:	E505193
Job Number:	23003-0002
Received:	5/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/23/25

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

Date Reported: 5/23/25

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

Project Name: Charles Ling 223/224
Workorder: E505193
Date Received: 5/19/2025 7:30:17AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/19/2025 7:30:17AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SW01 0-1’ 5

QC Summary Data 6

QC - Volatile Organics by EPA 8021B 6

QC - Nonhalogenated Organics by EPA 8015D - GRO 7

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

Definitions and Notes 10

Chain of Custody etc. 11

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/23/25 08:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-1'	E505193-01A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:39:28AM

SW01 0-1'

E505193-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2521012
Diesel Range Organics (C10-C28)	**594**	25.0	1	05/19/25	05/20/25	
Oil Range Organics (C28-C36)	**999**	50.0	1	05/19/25	05/20/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/19/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**4290**	40.0	2	05/19/25	05/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:39:28AM

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 (2521004-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.3*	*70-130*			
LCS (2521004-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Benzene	4.05	0.0250	5.00		81.0	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.5	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.11	0.0250	5.00		82.3	70-130			
p,m-Xylene	8.39	0.0500	10.0		83.9	70-130			
Total Xylenes	12.5	0.0250	15.0		83.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.1*	*70-130*			
Matrix Spike (2521004-MS1)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	4.29	0.0250	5.00	ND	85.7	70-130			
Ethylbenzene	4.36	0.0250	5.00	ND	87.1	70-130			
Toluene	4.33	0.0250	5.00	ND	86.6	70-130			
o-Xylene	4.33	0.0250	5.00	ND	86.7	70-130			
p,m-Xylene	8.85	0.0500	10.0	ND	88.5	70-130			
Total Xylenes	13.2	0.0250	15.0	ND	87.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2521004-MSD1)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	4.41	0.0250	5.00	ND	88.2	70-130	2.93	27	
Ethylbenzene	4.52	0.0250	5.00	ND	90.5	70-130	3.79	26	
Toluene	4.47	0.0250	5.00	ND	89.5	70-130	3.26	20	
o-Xylene	4.51	0.0250	5.00	ND	90.2	70-130	3.95	25	
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	70-130	3.78	23	
Total Xylenes	13.7	0.0250	15.0	ND	91.3	70-130	3.84	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:39:28AM

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 (2521004-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.20*		*8.00*		*102*	*70-130*			
LCS (2521004-BS2)									Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.52*		*8.00*		*107*	*70-130*			
Matrix Spike (2521004-MS2)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.67*		*8.00*		*108*	*70-130*			
Matrix Spike Dup (2521004-MSD2)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	4.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.45*		*8.00*		*106*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:39:28AM

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 (2521012-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*65.5*		*50.0*		*131*	*61-141*			
LCS (2521012-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	294	25.0	250		118	66-144			
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*61-141*			
Matrix Spike (2521012-MS1)				**Source: E505179-01**					Prepared: 05/19/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	340	25.0	250	ND	136	56-156			
Surrogate: n-Nonane	*62.9*		*50.0*		*126*	*61-141*			
Matrix Spike Dup (2521012-MSD1)				**Source: E505179-01**					Prepared: 05/19/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	311	25.0	250	ND	124	56-156	8.76	20	
Surrogate: n-Nonane	*56.3*		*50.0*		*113*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:39:28AM

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 (2521017-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	ND	20.0							
LCS (2521017-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2521017-MS1)				**Source: E505196-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	3860	40.0	250	3700	67.3	80-120			M4
Matrix Spike Dup (2521017-MSD1)				**Source: E505196-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	3640	40.0	250	3700	NR	80-120	5.97	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/23/25 08:39

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505193	1D 2D 3D Std: X	NM: X; CO UT TX
Project Name:Charles Ling 223/224	Address: 3122 National Parks Hwy	Job Number 23003-0052		
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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1030	05-15-25	S	1	SW01 0-1'		1									X			3.0	
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				
		S	1												X				

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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
	05-16-25	711	Michelle Gonzales	5-16-25	0711
Michelle Gonzales	5-17-25	0230	Caitlin Mars	5.19.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: Y N

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 Analytical Laboratory

Printed: 5/19/2025 10:09:47AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/19/25 07:30	Work Order ID:	E505193
Phone:	(972) 371-5200	Date Logged In:	05/16/25 15:55	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/23/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

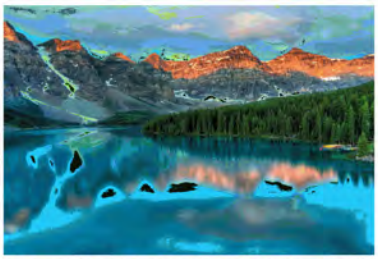
Signature of client authorizing changes to the COC or sample disposition.

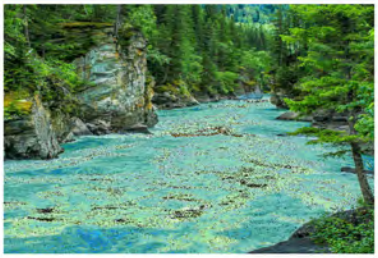
Date

envirotech Inc.

Report to:

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:	Charles Ling 223/224
Work Order:	E505197
Job Number:	23003-0002
Received:	5/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/23/25

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

Date Reported: 5/23/25

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

Project Name: Charles Ling 223/224
Workorder: E505197
Date Received: 5/19/2025 7:30:17AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/19/2025 7:30:17AM, under the Project Name: Charles Ling 223/224.

The analytical test results summarized in this report with the Project Name: Charles Ling 223/224 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

SS01A-0’ 5

FS60-0.5.’ 6

FS89-0.5’ 7

FS93-0.5’ 8

FS94-0.5’ 9

FS105-0.5’ 10

FS106-0.5’ 11

QC Summary Data 12

QC - Volatile Organics by EPA 8021B 12

QC - Nonhalogenated Organics by EPA 8015D - GRO 13

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14

QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/23/25 08:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A-0'	E505197-01A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
FS60-0.5.'	E505197-02A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
FS89-0.5'	E505197-03A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
FS93-0.5'	E505197-04A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
FS94-0.5'	E505197-05A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
FS105-0.5'	E505197-06A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
FS106-0.5'	E505197-07A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

SS01A-0'

E505197-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521028
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/21/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/19/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**196**	20.0	1	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

FS60-0.5.'

E505197-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521028
Diesel Range Organics (C10-C28)	**290**	25.0	1	05/19/25	05/21/25	
Oil Range Organics (C28-C36)	**134**	50.0	1	05/19/25	05/21/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/19/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**5280**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

FS89-0.5'

E505197-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521028
Diesel Range Organics (C10-C28)	**240**	25.0	1	05/19/25	05/21/25	
Oil Range Organics (C28-C36)	**144**	50.0	1	05/19/25	05/21/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/19/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**1970**	20.0	1	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

FS93-0.5'

E505197-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521028
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/25	05/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/19/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**3270**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

FS94-0.5'

E505197-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521028
Diesel Range Organics (C10-C28)	**325**	25.0	1	05/19/25	05/21/25	
Oil Range Organics (C28-C36)	**113**	50.0	1	05/19/25	05/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/19/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**5130**	40.0	2	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

FS105-0.5'

E505197-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521028
Diesel Range Organics (C10-C28)	**123**	25.0	1	05/19/25	05/21/25	
Oil Range Organics (C28-C36)	**115**	50.0	1	05/19/25	05/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/19/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**699**	20.0	1	05/19/25	05/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

FS106-0.5'

E505197-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521004
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521028
Diesel Range Organics (C10-C28)	**35.2**	25.0	1	05/19/25	05/21/25	
Oil Range Organics (C28-C36)	**52.6**	50.0	1	05/19/25	05/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/19/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521017
Chloride	**6000**	100	5	05/19/25	05/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

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 (2521004-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.3*	*70-130*			
LCS (2521004-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Benzene	4.05	0.0250	5.00		81.0	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.5	70-130			
Toluene	4.09	0.0250	5.00		81.8	70-130			
o-Xylene	4.11	0.0250	5.00		82.3	70-130			
p,m-Xylene	8.39	0.0500	10.0		83.9	70-130			
Total Xylenes	12.5	0.0250	15.0		83.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.1*	*70-130*			
Matrix Spike (2521004-MS1)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	4.29	0.0250	5.00	ND	85.7	70-130			
Ethylbenzene	4.36	0.0250	5.00	ND	87.1	70-130			
Toluene	4.33	0.0250	5.00	ND	86.6	70-130			
o-Xylene	4.33	0.0250	5.00	ND	86.7	70-130			
p,m-Xylene	8.85	0.0500	10.0	ND	88.5	70-130			
Total Xylenes	13.2	0.0250	15.0	ND	87.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2521004-MSD1)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	4.41	0.0250	5.00	ND	88.2	70-130	2.93	27	
Ethylbenzene	4.52	0.0250	5.00	ND	90.5	70-130	3.79	26	
Toluene	4.47	0.0250	5.00	ND	89.5	70-130	3.26	20	
o-Xylene	4.51	0.0250	5.00	ND	90.2	70-130	3.95	25	
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	70-130	3.78	23	
Total Xylenes	13.7	0.0250	15.0	ND	91.3	70-130	3.84	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

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 (2521004-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.20*		*8.00*		*102*	*70-130*			
LCS (2521004-BS2)									Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.52*		*8.00*		*107*	*70-130*			
Matrix Spike (2521004-MS2)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.67*		*8.00*		*108*	*70-130*			
Matrix Spike Dup (2521004-MSD2)				**Source: E505194-02**					Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	4.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.45*		*8.00*		*106*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2521028-BLK1)									Prepared: 05/19/25 Analyzed: 05/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			
LCS (2521028-BS1)									Prepared: 05/19/25 Analyzed: 05/21/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			
Matrix Spike (2521028-MS1)				**Source: E505197-04**					Prepared: 05/19/25 Analyzed: 05/21/25
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*61-141*			
Matrix Spike Dup (2521028-MSD1)				**Source: E505197-04**					Prepared: 05/19/25 Analyzed: 05/21/25
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156	7.70	20	
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/23/2025 8:43:43AM

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 (2521017-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	ND	20.0							
LCS (2521017-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2521017-MS1)				**Source: E505196-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	3860	40.0	250	3700	67.3	80-120			M4
Matrix Spike Dup (2521017-MSD1)				**Source: E505196-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	3640	40.0	250	3700	NR	80-120	5.97	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Charles Ling 223/224	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/23/25 08:43

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505197	1D 2D 3D Std	NM CO UT TX
Project Name: Charles Ling 223/224	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1329	5-15-25	S	1	SS07a - 0'		1									X			3.4	
1119	"	S	1	FS60 - 0.5'		2									X			3.1	
1109	"	S	1	FS89 - 0.5'		3									X			3.8	
1122	"	S	1	FS93 - 0.5'		4									X			3.7	
1128	"	S	1	FS94 - 0.5'		5									X			3.3	
1125	"	S	1	FS105 - 0.5'		6									X			3.6	
1124	"	S	1	FS106 - 0.5'		7									X			3.1	
		S	1												X				
		S	1												X				
		S	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, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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
[signature]	5-16-25	711	Michelle Gonzales	5-16 25	0711
Michelle Gonzales	5-17-25	0230	[signature]	5.19.25	730

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

Lab Use Only

Received on ice: Y / N

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 Analytical Laboratory

Printed: 5/19/2025 10:14:47AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	05/19/25 07:30	Work Order ID:	E505197
Phone:	(972) 371-5200	Date Logged In:	05/16/25 16:04	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/23/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

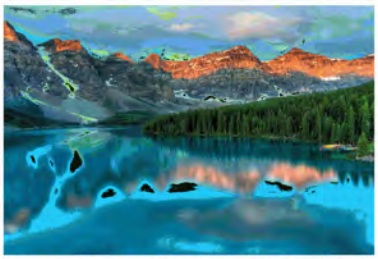
Signature of client authorizing changes to the COC or sample disposition.

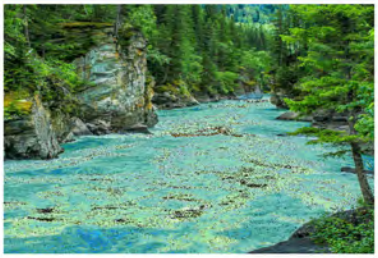
Date

envirotech Inc.

Report to:

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:	Charles Ling 224/223 Well Pad
Work Order:	E506016
Job Number:	23003-0002
Received:	6/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/11/25

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

Date Reported: 6/11/25

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

Project Name: Charles Ling 224/223 Well Pad
Workorder: E506016
Date Received: 6/4/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/4/2025 7:30:00AM, under the Project Name: Charles Ling 224/223 Well Pad.

The analytical test results summarized in this report with the Project Name: Charles Ling 224/223 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
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 6

- FS63-1’ 6
- FS92-1’ 7
- FS129-1’ 8
- FS130-1’ 9
- FS146-2’ 10
- FS148-1’ 11

QC Summary Data 12

- QC - Volatile Organics by EPA 8021B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 16

Definitions and Notes 17

Chain of Custody etc. 18

Sample Summary

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/11/25 14:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS63-1'	E506016-01A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
FS92-1'	E506016-02A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
FS129-1'	E506016-03A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
FS130-1'	E506016-04A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
FS146-2'	E506016-05A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.
FS148-1'	E506016-06A	Soil	06/02/25	06/04/25	Glass Jar, 2 oz.

Case Narative:

Project Name: Charles Ling 224/223 Well Pad
Workorder:E506016
Date Received: 06/04/25 07:30

The client requested the following sample(s) to be re-extracted and re-analyzed:

Sample Name	Laboratory ID	Analysis
FS129-1'	E506016-03A	DRO/ORO By 8015

The analytical test results summarized in this revised report represent this re-extration and re-analysis.

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

Respectfully,

Walter Hinchman

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

FS63-1'

E506016-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/05/25	
Toluene	ND	0.0250	1	06/03/25	06/05/25	
o-Xylene	ND	0.0250	1	06/03/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523100
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/06/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/02/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	**9330**	200	10	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

FS92-1'

E506016-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/05/25	
Toluene	ND	0.0250	1	06/03/25	06/05/25	
o-Xylene	ND	0.0250	1	06/03/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523100
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/06/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*06/02/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	**1780**	40.0	2	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

FS129-1'

E506016-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/05/25	
Toluene	ND	0.0250	1	06/03/25	06/05/25	
o-Xylene	ND	0.0250	1	06/03/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2524025
Diesel Range Organics (C10-C28)	**725**	25.0	1	06/02/25	06/10/25	
Oil Range Organics (C28-C36)	**1380**	50.0	1	06/02/25	06/10/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/02/25*	*06/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	**2460**	40.0	2	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

FS130-1'

E506016-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/05/25	
Toluene	ND	0.0250	1	06/03/25	06/05/25	
o-Xylene	ND	0.0250	1	06/03/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523100
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/06/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/02/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	**6350**	100	5	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

FS146-2'

E506016-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/05/25	
Toluene	ND	0.0250	1	06/03/25	06/05/25	
o-Xylene	ND	0.0250	1	06/03/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523100
Diesel Range Organics (C10-C28)	**37.9**	25.0	1	06/02/25	06/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/06/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/02/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	**98.0**	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

FS148-1'

E506016-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/05/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/05/25	
Toluene	ND	0.0250	1	06/03/25	06/05/25	
o-Xylene	ND	0.0250	1	06/03/25	06/05/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/05/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*06/03/25*	*06/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523100
Diesel Range Organics (C10-C28)	**43.8**	25.0	1	06/02/25	06/06/25	
Oil Range Organics (C28-C36)	**67.0**	50.0	1	06/02/25	06/06/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/02/25*	*06/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2523088
Chloride	**887**	20.0	1	06/03/25	06/04/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

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 (2523073-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*96.9*	*70-130*			
LCS (2523073-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.88	0.0250	5.00		97.6	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2523073-MS1)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.77	0.0250	5.00	ND	95.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	95.9	70-130			
Toluene	4.79	0.0250	5.00	ND	95.9	70-130			
o-Xylene	4.77	0.0250	5.00	ND	95.3	70-130			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.6*	*70-130*			
Matrix Spike Dup (2523073-MSD1)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.73	0.0250	5.00	ND	94.5	70-130	0.831	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130	1.10	26	
Toluene	4.80	0.0250	5.00	ND	95.9	70-130	0.0167	20	
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130	1.07	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	1.08	23	
Total Xylenes	14.7	0.0250	15.0	ND	97.8	70-130	1.08	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.16*		*8.00*		*102*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

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 (2523073-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.47*		*8.00*		*106*	*70-130*			
LCS (2523073-BS2)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.49*		*8.00*		*106*	*70-130*			
Matrix Spike (2523073-MS2)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.72*		*8.00*		*109*	*70-130*			
Matrix Spike Dup (2523073-MSD2)				**Source: E506010-02**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130	7.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.63*		*8.00*		*108*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523100-BLK1)									Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*61-141*			
LCS (2523100-BS1)									Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	284	25.0	250		114	66-144			
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*61-141*			
Matrix Spike (2523100-MS1)				**Source: E505335-03RE1**					Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*61-141*			
Matrix Spike Dup (2523100-MSD1)				**Source: E505335-03RE1**					Prepared: 06/05/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	56-156	0.663	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2524025-BLK1)									Prepared: 06/09/25 Analyzed: 06/10/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.0*		*50.0*		*97.9*	*61-141*			
LCS (2524025-BS1)									Prepared: 06/09/25 Analyzed: 06/10/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
Matrix Spike (2524025-MS1)				**Source: E506042-05**					Prepared: 06/09/25 Analyzed: 06/10/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2524025-MSD1)				**Source: E506042-05**					Prepared: 06/09/25 Analyzed: 06/10/25
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	1.88	20	
Surrogate: n-Nonane	*49.3*		*50.0*		*98.7*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Charles Ling 224/223 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 2:52:59PM

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 (2523088-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	ND	20.0							
LCS (2523088-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2523088-MS1)				**Source: E506009-21**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523088-MSD1)				**Source: E506009-21**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	254	20.0	250	ND	102	80-120	0.342	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:	Charles Ling 224/223 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/11/25 14:52

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

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

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

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E5d0016	1D 2D 3D Std	NM CO UT TX
Project Name: Charles Ling 224/223 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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1017	06-02-25	S	1	FS63-1'		1									X			2.1	
1029	↓	↓	↓	FS92-1'		2									X			1.4	
1157				FS129-1'		3									X			1.5	
1119				FS130-1'		4									X			1.2	
1005				FS146-2'		5									X			1.6	
1117	↓	↓	↓	FS148-1'		6									X			1.9	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, jmccauley@ensolum.com, akone@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: Jacob McCauley, Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	06-03-25		Michelle Gonzales	6-3-25	1045
Michelle Gonzales	6-3-25	1600		6.3.25	1600
	6.3.25	2200	Caitlin Mars	6.4.25	730

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

Lab Use Only

Received on ice: (Y) N

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 Analytical Laboratory

Printed: 6/4/2025 8:17:43AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	06/04/25 07:30	Work Order ID:	E506016
Phone:	(972) 371-5200	Date Logged In:	06/03/25 14:28	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/10/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 9/17/2025 10:41:34 AM
Received by OCD: 8/29/2025 6:52:13 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Charles Ling 224/223 Well Pad	Address: 3122 National Parks Hwy	E5d0016	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							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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		SDWA	CWA	RCRA
																		Compliance	Y	or N
																		PWSID #		
																	Sample Temp	Remarks		
1017	06-02-25	S	1	FS63-1'		1									X		2.1	Client wanted re-run on		
1029				FS92-1'		2									X		1.4			
1157				FS129-1'		3	X								X		1.5	ORO only.		
1119				FS130-1'		4									X		1.2	NS 6-10-25		
1005				FS146-2'		5									X		1.6			
1117				FS148-1'		6									X		1.9			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, jmccauley@ensolum.com, akone@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: Jacob McCauley, Jonah Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	06-03-25		Michelle Gonzales	6-3-25	1045
Michelle Gonzales	6-3-25	1600		6.3.25	1600
	6.3.25	2200	Caitlin Mars	6.4.25	730

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

Lab Use Only

Received on ice: (Y) N

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.

Page 508 of 570

ENSOLUM

APPENDIX E

NMOCD Correspondence

From: SLO Spills
To: Ashley Giovengo; SLO Spills; Jason Touchet; Arsenio Jones
Cc: Chad Hamilton; Cole Burton
Subject: RE: Notice of Release - Matador Production Company - Charles Ling 224 Well Pad - Incident Number nAPP2501442555
Date: Thursday, January 16, 2025 10:43:47 AM
Attachments: image006.png
image010.png
image011.png
image012.png
image002.png

[**EXTERNAL EMAIL**]

Thank you for notifying the NMSLO Environmental Compliance Office (ECO) of the incident or release noted in the subject line above and the potential impact to State Trust Land. Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

1. Identify compliance requirements for the Cultural Properties Protection (CPP) Rule.
2. Identify avoidance, minimization, or mitigation measures for impact to any biologically sensitive areas.
3. Apply for a Right of Entry (ROE) for Remediation if any part of the remediation occurs off of the active lease of the responsible party. A site delineation plan and reclamation plan are required for the ROE application. (https://www.nmstatelands.org/resources/forms-and-applications/)
4. If the remediation closure report is not submitted within 90 days of discovery of the release, a site delineation plan must be submitted to eco@nmslo.gov for review and approval. (If delineation and remediation happen concurrently, a remediation plan must be submitted to eco@nmslo.gov in place of a site delineation plan.)
5. Subsequent reports that must be submitted to ECO include:
    - **remediation plan;**
    - **reclamation plan, if applicable; or**
    - **remediation with reclamation plan;**
    - **remediation closure report; or**
    - **remediation closure report with reclamation activities report;**
    - **reclamation activities report;**
    - **final reclamation report, if applicable.**

SAMPLING NOTIFICATIONS
Written notification of the confirmation sampling event must be submitted to ECO a minimum of two (2) business days before the sampling event, or as directed by ECO. Please submit notifications to eco@nmslo.gov with the subject line as follows: ***(Sampling Notification) Company-Location Name (API/Incident #)-Date of Incident.***

NMSLO RESOURCES

- RIGHT OF ENTRY FORMS: Rights of Way Forms - https://www.nmstatelands.org/resources/forms-and-applications/
- ECO GUIDANCE DOCUMENTS: Environmental Compliance Office - https://www.nmstatelands.org/resources/forms-and-applications/ (PENDING)

- LEASE STATUS MAP: https://mapservice.nmstatelands.org/LandStatus/
- NMSLO OIL & GAS MANUAL: https://www.nmstatelands.org/wp-content/uploads/2023/07/Oil-and-Gas-Manual-2023-_WEB.pdf
- NMSLO LEASE SEARCH: https://secure.slo.state.nm.us/Applications/SLOConnect/

CULTURAL PROPERTIES PROTECTION RULE (19.2.24 NMAC) FOR REMEDIATION AND RECLAMATION ACTIVITIES

A. As soon as possible, when a new release or damage occurs on STL, contact a Cultural Resource Consultant who will:

1. Conduct an Archaeological Records Management System (ARMS) review to determine if any known cultural properties have been previously identified within the remediation area and if the area has been surveyed for cultural resources.
2. Advise as to whether an archaeological monitor should be present during initial containment activities and subsequent remediation efforts.
3. Advise as to whether a full cultural properties survey will be required after containment and before full remediation.

B. A list of cultural resource consultants permitted to conduct work on state lands is maintained here: https://www.nhistoricpreservation.org/programs/permits.html.

C. To learn more about NMSLO's Cultural Properties Protection Rule visit: https://www.nmstatelands.org/divisions/cultural-resources-office/culturalproperties/. CRO can be contacted via email at croinfo@nmslo.gov or call 505-827-5781.

BIOLOGICAL COMPLIANCE & REPORTING

ECO recommends utilizing the resources below to determine if the site activities are occurring in a sensitive or restricted area. Also, when additional assistance is needed, ECO recommends consulting with a qualified third-party biologist for evaluation of potential impacts to threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, cave and karst features, and sensitive soils before conducting remediation and reclamation activities.

BIOLOGICAL COMPLIANCE RESOURCES

- New Mexico State Land Office Land Status Map https://mapservice.nmstatelands.org/LandStatus
- U.S. Fish and Wildlife Services Information for Planning and Consultation: https://ipac.ecosphere.fws.gov/
- BISON-M database: https://bison-m.org/
- New Mexico Department of Game and Fish Environmental Review Tool (ERT): https://nmert.org/content/map
- Open Enviro Map Wetlands: https://gis.web.env.nm.gov/oem/?map=wetlands

Thank you for working with ECO, and your efforts to protect State Trust Land.

Environmental Compliance Office
Surface Resources Division
eco@nmslo.gov
nmstatelands.org

.....

CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, January 15, 2025 9:48 AM
To: SLO Spills <spills@nmslo.gov>; Griffin, Becky R. <bgriffin@nmslo.gov>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Cc: Chad Hamilton <chamilton@ensolum.com>; Cole Burton <cburton@ensolum.com>
Subject: [EXTERNAL] Notice of Release - Matador Production Company - Charles Ling 224 Well Pad - Incident Number nAPP2501442555

Good Morning,

Please see the attached Spill and Release Notification Form for the produced water release at the Charles Ling 224 Well Pad. Please let me know if you have any questions.

Thanks,

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

"Your authenticity is your superpower." – Unknown

From: Wells, Shelly, EMNRD
To: Chad Hamilton; jason.touchet@matadorresources.com; Arsenio Jones
Cc: Ashley Giovengo; Cole Burton; Bilkis Moir; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] Extension Request - Charles Ling 224 Well Pad - nAPP2501442555
Date: Thursday, April 10, 2025 8:58:17 AM
Attachments: image001.png
image002.png
image003.png
image004.png

[**EXTERNAL EMAIL**]

Good morning Chad,

The extension request for NAPP2501442555 CHARLES LING 224 WELL PAD is approved. The new due date to submit your updated remediation plan or closure report to the OCD is July 9, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Thursday, April 10, 2025 8:36 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; jason.touchet@matadorresources.com; Arsenio Jones <arsenio.jones@matadorresources.com>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Cole Burton <cburton@ensolum.com>; Bilkis Moir <bmoir@ensolum.com>
Subject: [EXTERNAL] Extension Request - Charles Ling 224 Well Pad - nAPP2501442555

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

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of April 12, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Charles Ling 224 Well Pad (Site) (Incident Number nAPP2501442555). The release occurred on January 13, 2025, and approximately 47 barrels (bbls) of produced water were released from and equipment error during fracking operations onto the caliche pad; approximately 6 bbls of produced water were recovered. Ensolum personnel attempted vertical delineation soil sampling within the release extent with a backhoe to a terminal depth of 6.5 feet bgs on March 12, 2025, however due to the lithology of the soil being indurated caliche, the backhoe was not able to penetrate the rock, and the borehole could not be advanced further. On April 4, 2025, Matador contracted Aspen General Contracting (Aspen) to advance the boreholes (BH02 and BH05) within the release extent with a geoprobe rig on tracks. Aspen was unable to advance the borehole to further than the depth already achieved utilizing the backhoe. Ensolum personnel collected discrete delineation soil samples from boreholes BH02 and BH05 at depth of 6 feet bgs and 6.5 bgs, respectively, however concentrations of chloride exceeded the strictest Closure Criteria per NMOCD Table I at that depth. Matador intends to return to the Site in order to advance boreholes BH02 and BH05 in accordance with the strictest Closure Criteria and respectfully requests a 90-day extension until July 09, 2025. Matador intends to complete remediation of the subject matter release to the maximum extent possible (MEP) and to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Please let me know if you have any further questions regarding this site.

Thanks,

Chad Hamilton
Project Geologist
940-923-0072
Ensolum, LLC

From: Wells, Shelly, EMNRD
To: Ashley Giovengo
Cc: Jason Touchet; Arsenio Jones; Chad Hamilton; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Confirmation Sampling Variance - Charles Ling #224 Well Pad - Incident Number nAPP2501442555
Date: Wednesday, April 30, 2025 8:57:50 AM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Hi Ashley,

Your variance request to collect confirmation floor samples at a frequency of every 400 sq. ft. from the base of the excavation and every 200 sq. ft. from the sidewalls of the excavation is approved. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, April 29, 2025 11:44 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; Chad Hamilton <chamilton@ensolum.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - Charles Ling #224 Well Pad - Incident Number nAPP2501442555

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Charles Ling #224 Well Pad (Site). On January 13, 2025, human error resulted in the release of approximately 47 barrels (bbls) of produced water onto the caliche pad; 6 bbls of produced water were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on January 14, 2025, and subsequently the release was assigned (Incident Number nAPP2501442555). The release impacted an area approximately 31,785 square feet (sq. ft.) in size on State Trust Land managed by the New Mexico State Land Office (NMSLO); the entire release remained on-pad. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, C-04753-POD1, located within a half-mile radius of the Site. The well had a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is a fresh water emergent wetland located approximately 0.33 miles southwest of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg TPH – Gasoline Range Organics (GRO) and TPH – Diesel Range Organics (DRO), 2,500 mg/kg Total TPH and 10,000 mg/kg chloride.

A 90-day extension request was granted by the NMOCD on April 10, 2025, in order for Ensolum to complete vertical delineation soil sampling activities at the Site. A 90-day extension request was also granted by the Environmental Compliance Office (ECO) on April 17, 2025. Ensolum completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I (see Table 1 and Table 1-CONT'D) on April 16, 2025. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin confirmation soil sampling activities at the Site on May 07, 2025, and intends to remove any impacts that exceed the Site Closure Criteria via mechanical equipment. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 55 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2501442555).

Thanks,

Ashley Giovengo
Associate Principal
575-988-0055
Ensolum, LLC

"Your authenticity is your superpower." – Unknown

From: Jason Touchet
To: eco@slo.state.nm.us
Cc: Arsenio Jones; Ashley Giovengo; Chad Hamilton
Subject: (2-day Sample Notification) Matador Production Company - Charles Ling 224 Well Pad (nAPP2501442555) January 13, 2025
Date: Friday, May 2, 2025 4:36:14 PM

[**EXTERNAL EMAIL**]

Greetings

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Charle Ling 224 Well Pad (Site) (Incident Number nAPP2501442555). The release occurred on January 13, 2025, and approximately 47 barrels (bbls) of produced were released on pad.
Sampling will be conducted Wednesday 05/7/2025 through Friday 5/9/2025 and will commence at 09:00 MST. The Site is located in Unit A, Section 02, Township 24S, Range 33E (32.25347,-103.53718). Approximately 80 confirmation floor samples will be collected from an excavation extent measuring 31,785 sq. ft.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

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 458164

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458164
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	31,785
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/07/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 458164

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458164
	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.	5/2/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 458167

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458167
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	31,785
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/08/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 458167

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458167
	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.	5/2/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 458170

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458170
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	31,785
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/09/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458170
	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.	5/2/2025

From: Jason Touchet
To: eco@slo.state.nm.us
Cc: Arsenio Jones; Ashley Giovengo; Chad Hamilton
Subject: (2-day Sample Notification) Matador Production Company - Charles Ling 224 Well Pad (nAPP2501442555)-01-13-2025
Date: Thursday, May 8, 2025 9:33:42 AM

[**EXTERNAL EMAIL**]

Greetings

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Charle Ling 224 Well Pad (Site) (Incident Number nAPP2501442555). The release occurred on January 13, 2025, and approximately 47 barrels (bbls) of produced were released on pad. Confirmation soil sampling will be conducted Monday May 12, 2025, through Wednesday May 14, 2025, and will commence at 09:00 AM MST. The Site is located in Unit A, Section 02, Township 24S, Range 33E (32.25347,-103.53718). Approximately 80 confirmation floor samples will be collected from an excavation extent measuring 31,785 square feet.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

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 459825

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459825
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	31,785
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	(32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 459825

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459825
	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.	5/7/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 459828

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459828
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	31,785
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459828
	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.	5/7/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 459829

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459829
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	31,785
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 459829

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459829
	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.	5/7/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 460824

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 460824
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	31,785
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 460824
	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.	5/12/2025

From: Jason Touchet
To: eco@slo.state.nm.us
Cc: Ashley Giovengo; Arsenio Jones; Chad Hamilton
Subject: (2-day Sample Notification) Matador Production Company - Charles Ling 224 Well Pad (nAPP2501442555)-01-13-2025
Date: Tuesday, May 27, 2025 1:24:57 PM

[**EXTERNAL EMAIL**]

Greetings

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Charle Ling 224 Well Pad (Site) (Incident Number nAPP2501442555). The release occurred on January 13, 2025, and approximately 47 barrels (bbls) of produced were released on pad. Confirmation soil sampling will be conducted Monday June 2, 2025, and will commence at 09:00 AM MST. The Site is in Unit A, Section 02, Township 24S, Range 33E (32.25347,-103.53718). Approximately 6 confirmation floor samples will be collected from an excavation extent measuring 2,400 square feet.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

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 467546

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467546
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Site Name	**CHARLES LING 224 WELL PAD**
Date Release Discovered	**01/13/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,400
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/02/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jenna Hinkle (510) 417-5262
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467546
	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.	5/27/2025

From: SLO Spills
To: Jason Touchet; SLO Spills
Cc: Casey Snow; Ashley Giovengo; Ashley Giovengo
Subject: RE: Release Notification - Matador - Charles Ling 223H well Pad - nAPP2505848368
Date: Monday, March 3, 2025 12:44:04 PM
Attachments: image002.png
image006.png

[**EXTERNAL EMAIL**]

Thank you for notifying the NMSLO Environmental Compliance Office (ECO) of the incident or release noted in the subject line above and the potential impact to State Trust Land. Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

1. Identify compliance requirements for the Cultural Properties Protection (CPP) Rule.
2. Identify avoidance, minimization, or mitigation measures for impact to any biologically sensitive areas.
3. Apply for a Right of Entry (ROE) for Remediation if any part of the remediation occurs off of the active lease of the responsible party. A site delineation plan and reclamation plan are required for the ROE application. (https://www.nmstatelands.org/resources/forms-and-applications/)
4. If the remediation closure report is not submitted within 90 days of discovery of the release, a site delineation plan must be submitted to eco@nmslo.gov for review and approval. (If delineation and remediation happen concurrently, a remediation plan must be submitted to eco@nmslo.gov in place of a site delineation plan.)
5. Subsequent reports that must be submitted to ECO include:
    - **remediation plan;**
    - **reclamation plan, if applicable; or**
    - **remediation with reclamation plan;**
    - **remediation closure report; or**
    - **remediation closure report with reclamation activities report;**
    - **reclamation activities report;**
    - **final reclamation report, if applicable.**

SAMPLING NOTIFICATIONS
Written notification of the confirmation sampling event must be submitted to ECO a minimum of two (2) business days before the sampling event, or as directed by ECO. Please submit notifications to eco@nmslo.gov with the subject line as follows: ***(Sampling Notification) Company-Location Name (API/Incident #)-Date of Incident.***

NMSLO RESOURCES

- RIGHT OF ENTRY FORMS: Rights of Way Forms - https://www.nmstatelands.org/resources/forms-and-applications/
- ECO GUIDANCE DOCUMENTS: Environmental Compliance Office - https://www.nmstatelands.org/resources/forms-and-applications/ (PENDING)
- LEASE STATUS MAP: https://mapservice.nmstatelands.org/LandStatus/
- NMSLO OIL & GAS MANUAL: https://www.nmstatelands.org/wp-content/uploads/2023/07/Oil-and-

Gas-Manual-2023-_WEB.pdf

- NMSLO LEASE SEARCH: https://secure.slo.state.nm.us/Applications/SLOConnect/

CULTURAL PROPERTIES PROTECTION RULE (19.2.24 NMAC) FOR REMEDIATION AND RECLAMATION ACTIVITIES

A. As soon as possible, when a new release or damage occurs on STL, contact a Cultural Resource Consultant who will:

1. Conduct an Archaeological Records Management System (ARMS) review to determine if any known cultural properties have been previously identified within the remediation area and if the area has been surveyed for cultural resources.
2. Advise as to whether an archaeological monitor should be present during initial containment activities and subsequent remediation efforts.
3. Advise as to whether a full cultural properties survey will be required after containment and before full remediation.

B. A list of cultural resource consultants permitted to conduct work on state lands is maintained here: https://www.nhistoricpreservation.org/programs/permits.html.

C. To learn more about NMSLO's Cultural Properties Protection Rule visit: https://www.nmstatelands.org/divisions/cultural-resources-office/culturalproperties/. CRO can be contacted via email at croinfo@nmslo.gov or call 505-827-5781.

BIOLOGICAL COMPLIANCE & REPORTING

ECO recommends utilizing the resources below to determine if the site activities are occurring in a sensitive or restricted area. Also, when additional assistance is needed, ECO recommends consulting with a qualified third-party biologist for evaluation of potential impacts to threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, cave and karst features, and sensitive soils before conducting remediation and reclamation activities.

BIOLOGICAL COMPLIANCE RESOURCES

- New Mexico State Land Office Land Status Map https://mapservice.nmstatelands.org/LandStatus
- U.S. Fish and Wildlife Services Information for Planning and Consultation: https://ipac.ecosphere.fws.gov/
- BISON-M database: https://bison-m.org/
- New Mexico Department of Game and Fish Environmental Review Tool (ERT): https://nmert.org/content/map
- Open Enviro Map Wetlands: https://gis.web.env.nm.gov/oem/?map=wetlands

Thank you for working with ECO, and your efforts to protect State Trust Land.

Environmental Compliance Office
Surface Resources Division
eco@nmslo.gov
nmstatelands.org

.....

CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not

the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Jason Touchet <jason.touchet@matadorresources.com>
Sent: Thursday, February 27, 2025 3:18 PM
To: SLO Spills <spills@nmslo.gov>
Cc: Casey Snow <CSnow@matadorresources.com>; Ashley Giovengo (agiovengo@ensolum.com) <agiovengo@ensolum.com>; Ashley Giovengo (agiovengo@ensolum.com) <agiovengo@ensolum.com>
Subject: [EXTERNAL] Release Notification - Matador - Charles Ling 223H well Pad - nAPP2505848368

Greetings,

Please see the details below for the release at the Charles Ling 223H well Pad.

Company: Matador Production Company
Location: Charles Ling 223H well pad
Incident Number: nAPP2505848368
GPS Coordinates: 32.25319, -103.53766
ULSTR: L-02-24S-33E
County: Lea, NM
Spill Description: An unexpected release was caused by the over pressure of a flowline release of approximately 17 bbls of produced water remained on the well pad. The release impacted 7,101 sq.ft of saturated soil on pad and lightly misted an area of 20,454 sq.ft on pad for a total of 27,555 sq.ft on pad. Attached are pictures of the release.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

From: Wells, Shelly, EMNRD
To: Chad Hamilton; Wells, Shelly, EMNRD; Jason Touchet; Arsenio Jones
Cc: Ashley Giovengo; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Charles Ling 223H Well Pad - Incident Number nAPP2505848368
Date: Tuesday, May 27, 2025 11:53:49 AM
Attachments: image001.png
image002.png
image003.png
image004.png

[**EXTERNAL EMAIL**]

Hi Chad,

The extension request for NAPP2505848368 CHARLES LING 223H WELL PAD is approved. The new due date to submit your updated remediation plan or closure report to the OCD is August 25, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, May 27, 2025 11:24 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Cc: Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Charles Ling 223H Well Pad - Incident Number nAPP2505848368

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

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of May 28, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Charles Ling 223H Well Pad (Site) (Incident Number nAPP2505848368). The release occurred on February 27, 2025, and approximately 17 barrels (bbls) of produced water were released from and equipment error during fracking operations onto the caliche pad; no produced water was recovered. Ensolum personnel have completed vertical and lateral delineation soil sampling within and around the release extent with a hand auger, backhoe, and a Geoprobe® 7822DT direct-push technology (DPT) rig. Ensolum personnel collected discrete delineation soil samples from boreholes BH01 through BH05 at depths ranging from 1-foot bgs to 14 bgs, respectively. Matador intends to return to the Site in order to complete excavation activities in accordance with the Site Closure Criteria and respectfully requests a 90-day extension until August 25, 2025. Matador intends to complete remediation of the subject matter release and submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Please let me know if you have any further questions regarding this site.

Thanks,

Chad Hamilton
Project Geologist
940-923-0072
Ensolum, LLC

From: Wells, Shelly, EMNRD
To: Ashley Giovengo
Cc: Jason Touchet; Chad Hamilton; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] Confirmation Sampling Variance - Charles Ling #223 Well Pad - Incident Number nAPP2505848368
Date: Wednesday, April 30, 2025 8:59:20 AM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Hi Ashley,

Your variance request to collect confirmation floor samples at a frequency of every 400 sq. ft. from the base of the excavation and every 200 sq. ft. from the sidewalls of the excavation is approved. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, April 29, 2025 11:58 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Chad Hamilton <chamilton@ensolum.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - Charles Ling #223 Well Pad - Incident Number nAPP2505848368

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Charles Ling #223 Well Pad (Site). On February 27, 2025, human error resulted in the release of approximately 17 barrels (bbls) of produced water onto the caliche pad; 0 bbls of produced water were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on February 27, 2025, and subsequently the release was assigned (Incident Number nAPP2505848368). The release impacted an area approximately 28,826 square feet (sq. ft.) in size on State Trust Land managed by the New Mexico State Land Office (NMSLO); the entire release remained on-pad. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, C-04753-POD1, located within a half-mile radius of the Site. The well had a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is a fresh water emergent wetland located approximately 0.33 miles southwest of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg TPH – Gasoline Range Organics (GRO) and TPH – Diesel Range Organics (DRO), 2,500 mg/kg Total TPH and 10,000 mg/kg chloride.

Ensolum completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I (see Table 1 and Table 1-CONT'D) on April 16, 2025. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin confirmation soil sampling activities at the Site on May 07, 2025, and intends to remove any impacts that exceed the Site Closure Criteria via mechanical equipment. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 55 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2505848368).

Thanks,

Ashley Giovengo
Associate Principal
575-988-0055
Ensolum, LLC

"Your authenticity is your superpower." – Unknown

From: Jason Touchet
To: eco@slo.state.nm.us
Cc: Arsenio Jones; Ashley Giovengo; Chad Hamilton
Subject: (2-day Sample Notification) Matador Production Company - Charles Ling 223 Well Pad (nAPP2505848368) February 27, 2025
Date: Friday, May 2, 2025 4:43:02 PM

[**EXTERNAL EMAIL**]

Greetings,

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Charles Ling 223 Well Pad (Site) (Incident Number nAPP2505848368). The release occurred on February 27, 2025, and approximately 17 barrels (bbls) of produced were released on pad.
Sampling will be conducted Wednesday 05/7/2025 through Friday 5/9/2025 and will commence at 09:00 MST. The Site is located in Unit A, Section 02, Township 24S, Range 33E (32.25319,-103.53766). Approximately 73 confirmation floor samples will be collected from an excavation extent measuring 28,826 sq. ft.

Thanks,

Jason Touchet
EHS Specialist
Matador Resources Company
Cell: 337-652-3463
Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

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 458171

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458171
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Charles Ling 223H well Pad**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	28,826
What is the estimated number of samples that will be gathered	73
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/07/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 458171

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458171
	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.	5/2/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458174
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Charles Ling 223H well Pad**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	28,826
What is the estimated number of samples that will be gathered	73
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/08/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458174
	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.	5/2/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 458176

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458176
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Charles Ling 223H well Pad**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	28,826
What is the estimated number of samples that will be gathered	73
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/09/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 458176

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458176
	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.	5/2/2025

From:	Jason Touchet
To:	eco@slo.state.nm.us
Cc:	Arsenio Jones; Ashley Giovengo; Chad Hamilton
Subject:	(2-day Sample Notification) Matador Production Company - Charles Ling 223 Well Pad (nAPP2505848368)-02-27-2025
Date:	Thursday, May 8, 2025 9:32:45 AM

[**EXTERNAL EMAIL**]

Greetings,

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Charles Ling 223 Well Pad (Site) (Incident Number nAPP2505848368). The release occurred on February 27, 2025, and approximately 17 barrels (bbls) of produced were released on pad. Confirmation soil sampling will be conducted Monday May 12, 2025, through Wednesday May 14, 2025, and will commence at 09:00 AM MST. The Site is located in Unit A, Section 02, Township 24S, Range 33E (32.25319,-103.53766). Approximately 73 confirmation floor samples will be collected from an excavation extent measuring 28,826 sq. ft.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

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

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459832
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Charles Ling 223H well Pad**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	28,826
What is the estimated number of samples that will be gathered	73
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 459832
	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.	5/7/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 459834

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459834
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Charles Ling 223H well Pad**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	28,826
What is the estimated number of samples that will be gathered	73
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 459834
	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.	5/7/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 459836

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459836
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Charles Ling 223H well Pad**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	28,826
What is the estimated number of samples that will be gathered	73
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 459836

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459836
	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.	5/7/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 460828

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 460828
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Charles Ling 223H well Pad**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	28,826
What is the estimated number of samples that will be gathered	73
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 460828
	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.	5/12/2025

From:	Jason Touchet
To:	eco@slo.state.nm.us
Cc:	Ashley Giovengo; Arsenio Jones; Chad Hamilton
Subject:	(2-day Sample Notification) Matador Production Company - Charles Ling 223 Well Pad (nAPP2505848368)-02-27-2025
Date:	Tuesday, May 27, 2025 1:23:49 PM

[**EXTERNAL EMAIL**]

Greetings,

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Charles Ling 223 Well Pad (Site) (Incident Number nAPP2505848368). The release occurred on February 27, 2025, and approximately 17 barrels (bbls) of produced were released on pad. Confirmation soil sampling will be conducted Monday June 2, 2025, and will commence at 09:00 AM MST. The Site is in Unit A, Section 02, Township 24S, Range 33E (32.25319,-103.53766). Approximately 6 confirmation floor samples will be collected from an excavation extent measuring 2,400 sq. ft.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

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 467549

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467549
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2505848368**
Incident Name	**NAPP2505848368 CHARLES LING 223H WELL PAD @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**CHARLES LING 223H WELL PAD**
Date Release Discovered	**02/27/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,400
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/02/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jenna Hinkle (510) 417-5262
Please provide any information necessary for navigation to sampling site	32.25347,-103.53718

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 467549

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467549
	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.	5/27/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 500520

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500520
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2501442555**
Incident Name	**NAPP2501442555 CHARLES LING 224 WELL PAD @ 30-025-52943**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-025-52943] CHARLES LING 0214 FEDERAL COM #224H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CHARLES LING 224 WELL PAD
Date Release Discovered	01/13/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Valve | Produced Water | Released: 47 BBL | Recovered: 6 BBL | Lost: 41 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500520
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/29/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500520
	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 51 and 75 (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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (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 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	28200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	24630
GRO+DRO (EPA SW-846 Method 8015M)	22900
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed 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	03/08/2025
On what date will (or did) the final sampling or liner inspection occur	06/02/2025
On what date will (or was) the remediation complete(d)	06/02/2025
What is the estimated surface area (in square feet) that will be reclaimed	11200
What is the estimated volume (in cubic yards) that will be reclaimed	415
What is the estimated surface area (in square feet) that will be remediated	32430
What is the estimated volume (in cubic yards) that will be remediated	1406
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.	

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: 500520
	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 (OWL) 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: 08/29/2025
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.	

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: 500520
	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: 500520
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**467546**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/02/2025**
What was the (estimated) number of samples that were to be gathered	**6**
What was the sampling surface area in square feet	**2400**

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	32430
What was the total volume (cubic yards) remediated	1406
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	11200
What was the total volume (in cubic yards) reclaimed	415
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: 08/29/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500520
	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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500520
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/17/2025