ENSOLUM

December 17, 2025

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

Re: Deferral Request Denial Response
Deferral Request dated March 24, 2025
Desoto Spring Recycling Pond
Incident Numbers nAPP2426952037
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request Denial Response* to the New Mexico Oil Conservation Division (NMOCD) in reference to the *Deferral Request,* dated March 24, 2025, prepared by Ensolum for the above reference Site. Ensolum offers the following responses to the NMOCD comments:

1. **The OCD reviews each deferral request on a case-by-case basis. Major facility deconstruction typically involves concrete poured pads, structures, engineered designed facilities that include automation/electrical lines, sprayed in lines, etc. After review, OCD does not consider the remediation of the area FS50-FS52 to require a major facility deconstruction. A deferral for this release area will not be granted and will need to be remediated.**

   Matador removed the frac tanks and the earthen containment onsite (confirmation sample area FS50-FS52) in response to the *Deferral Request Denial*. On August 14 and August 20, 2025, Ensolum personnel returned to the Site to collect soil samples from three additional vertical delineation locations (BH14, BH15, and BH16) and three additional lateral delineation locations (SS13, SS14, and SS15) to further vertically and laterally delineate the area north of confirmation soil sample locations FS50 through FS52. The soil samples were collected at depths ranging from ground surface to 4 feet below ground surface (bgs). Soil from the 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 constituents of concern (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. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B.

Beginning on October 8, 2025, Ensolum personnel were onsite to oversee the excavation and removal of impacted soil around confirmation soil sample areas FS50 through FS52 and impacts identified in boreholes BH14 through BH16. Excavation activities were performed using a tracked excavator, hand tools, and transport vehicles. Ensolum personnel collected 27, 5-point composite soil samples (FS50 through FS52 and FS169 through FS192) from the floor of the excavation at depths ranging from 2 feet to 20 feet bgs and 15 confirmation soil samples were collected from the sidewalls of the excavation (SW42 through SW56) at depths ranging from ground surface to 20 feet bgs, representing no more than 200 square feet from the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation confirmation floor, sidewall, and borehole soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

A total of approximately 940 cubic yards of impacted soil were removed during excavation activities. The final excavation extent measured approximately 5,229 square feet. The impacted soil was removed during the excavation activities and was transported and disposed of at the Lea Land Disposal, LLC. After completion of confirmation sampling, the excavation area was secured with fencing.

Laboratory analytical results for the final delineation and confirmation soil samples indicated all COCs were in compliance with the strictest Closure Criteria, and the release extent has been fully laterally and vertically defined. Laboratory analytical results are summarized in Tables 1, 2, and 3, and the complete laboratory analytical reports are included as Appendix C. 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.

DEFERRAL REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS15, collected at depth ranging from ground surface to 1-foot bgs, and vertically by boreholes BH01 through BH16, collected at depths up to 20 feet bgs. Excavation of impacted soil exceeding the applicable Site Closure Criteria was completed, and excavation floor samples FS50 through FS52 with follow-up confirmation samples FS169 through FS192, collected at depths ranging from 2 feet to 20 feet bgs, and sidewall samples SW42 through SW56, collected from ground surface to 20 feet bgs, were all in compliance with the applicable Site Closure Criteria.

As stated in the *Deferral Request Report* dated March 24, 2025, Matador has removed the gross impacted soil and is requesting deferral of final remediation due to the presence of active production equipment, which prevents the full excavation of impacted soil in confirmation sample locations FS55 through FS59, FS73, FS83, FS84, FS104, and SW32 through SW35. The estimated area of remaining impacted soil measures approximately 4,190 square feet, a total of approximately 1,607 cubic yards of impacted soil remains in place. The deferral area and delineation soil samples are depicted on Figure 4. Refer to the *Deferral Request Report* dated March 24, 2025 for further details, included as Appendix D.

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, and all accessible impacted soil was removed to the Maximum Extent Practicable (MEP). Matador respectfully requests deferral of final remediation for Incident Number nAPP2426952037 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Mrs. Ashley Urzedo 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

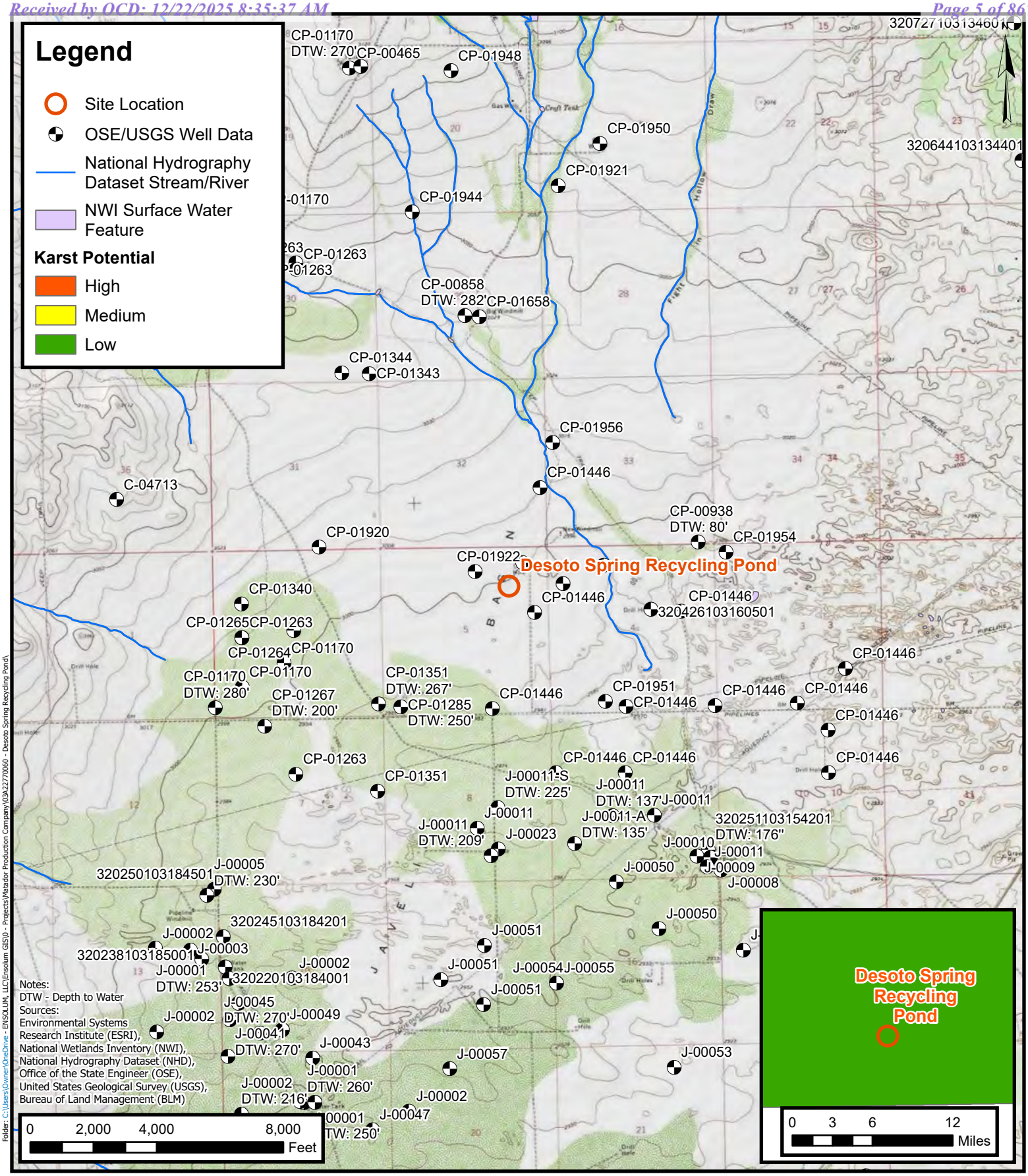
cc: Jason Touchet, Matador Production Company

Attachments:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Areas of Requested Deferral
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	Lithologic Soil Sampling Logs
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	Remediation Deferral Request

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FIGURES

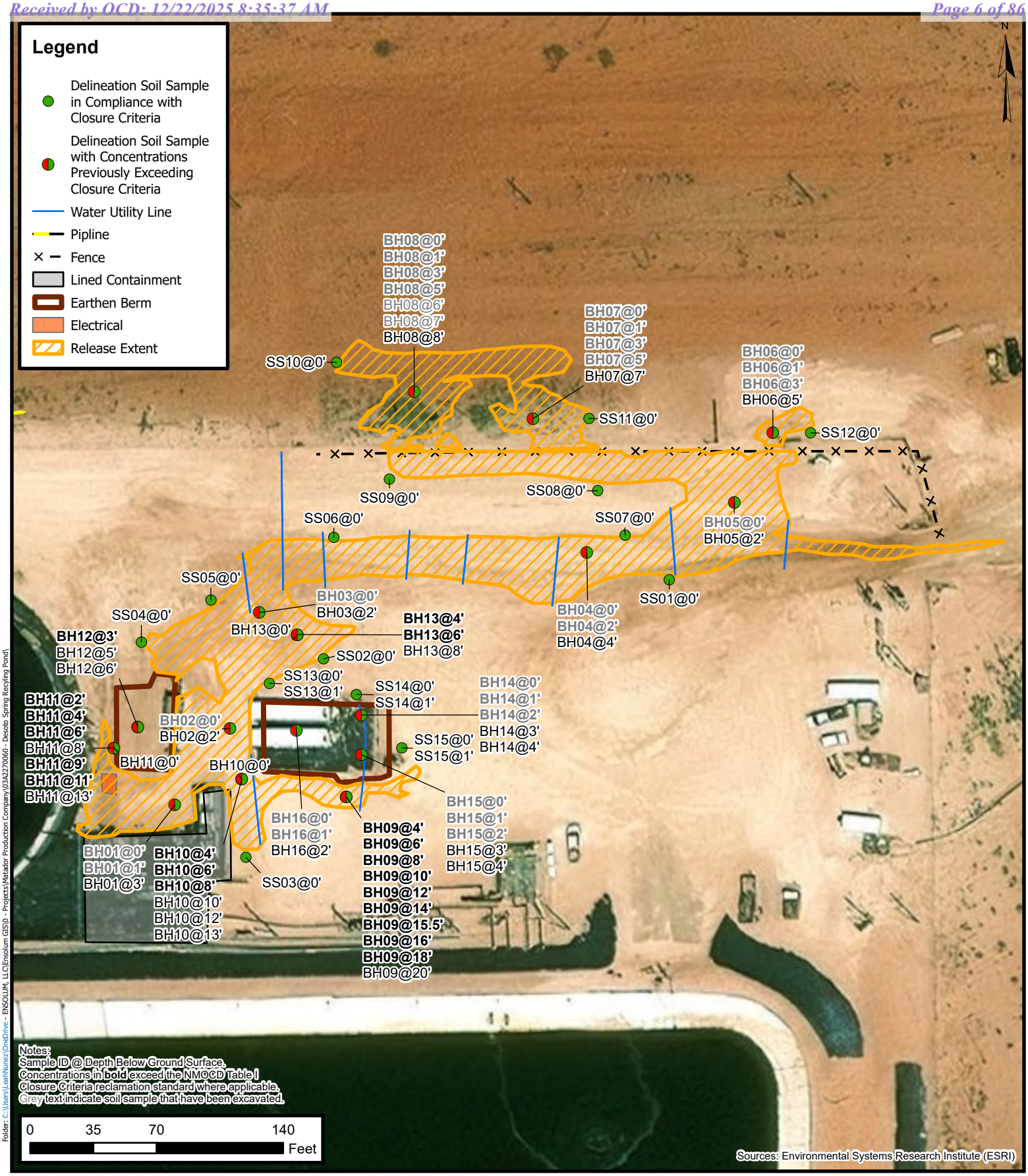


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Site Receptor Map

Matador Production Company
Desoto Spring Recycling Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 1



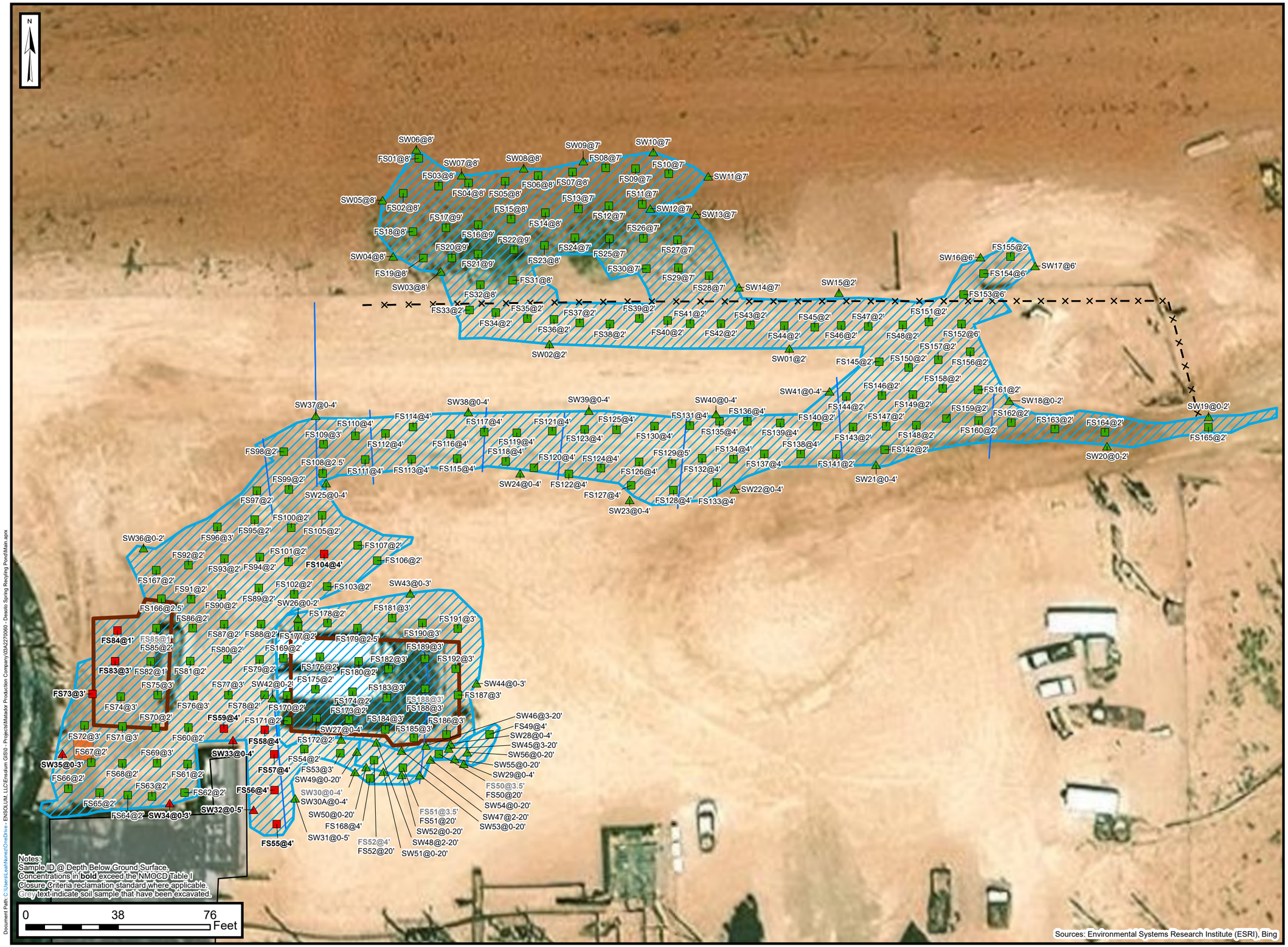
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Delineation Soil Sample Locations

Matador Production Company
Desoto Spring Recycling Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 2



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Legend

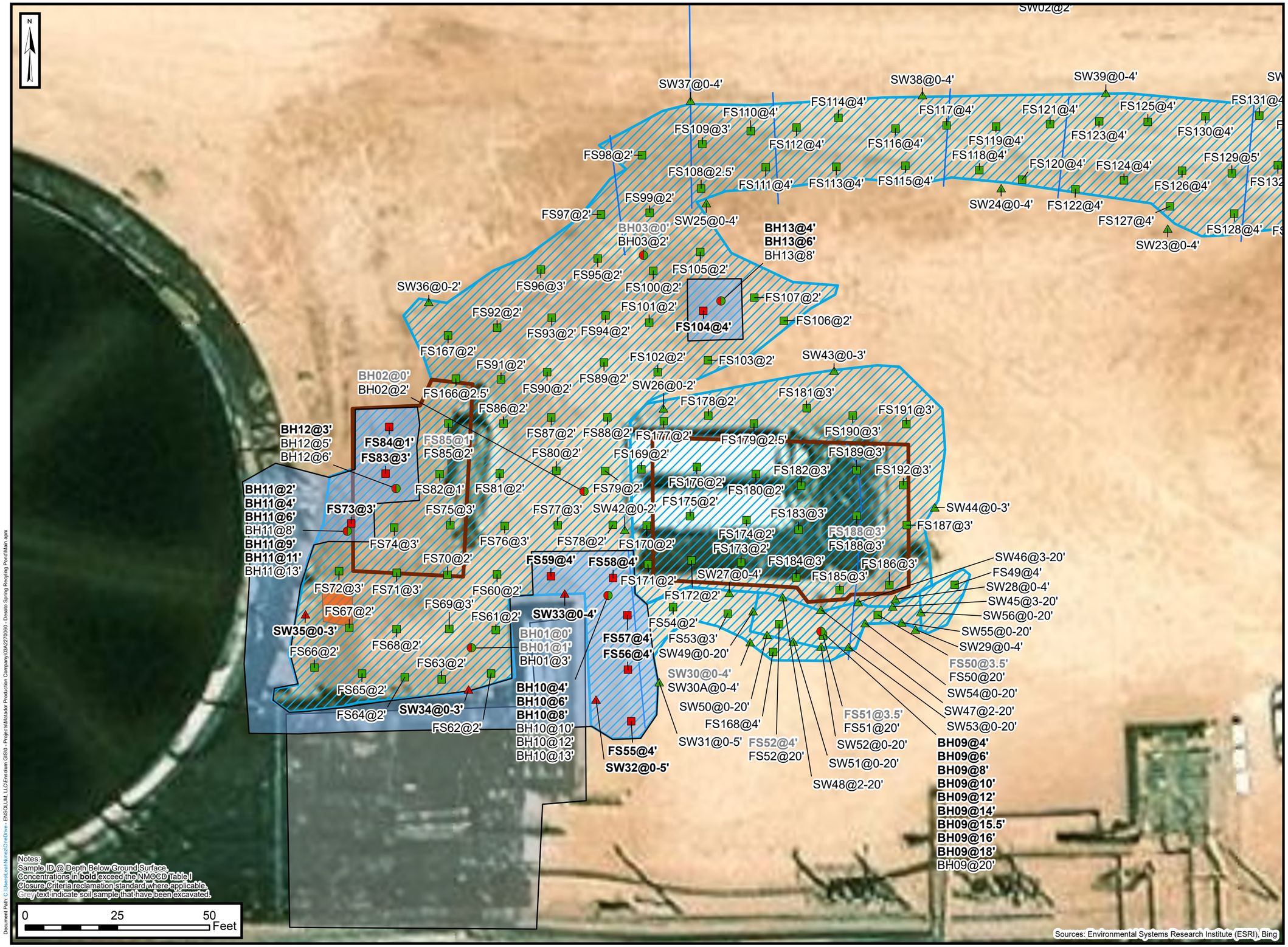
- Excavation Floor Soil Sample in Compliance with Closure Criteria
- Excavation Floor Soil Sample with Concentrations Exceeding Closure Criteria
- Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- Excavation Sidewall Soil Sample with Concentrations Exceeding Closure Criteria
- Water Utility Line
- Fence
- Lined Containment
- Earthen Berm
- Electrical
- Excavation Extent

Excavation Soil Sample Locations

Matador Production Company
Desoto Spring Recycling Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 3

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Notes:
Sample ID @ Depth Below Ground Surface.
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria reclamation standard where applicable.
Grey text indicate soil sample that have been excavated.

Legend

- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Excavation Floor Soil Sample in Compliance with Closure Criteria
- Excavation Floor Soil Sample with Concentrations Exceeding Closure Criteria
- Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- Excavation Sidewall Soil Sample with Concentrations Exceeding Closure Criteria
- Deferral Area
- Water Utility Line
- Lined Containment
- Earthen Berm
- Electrical
- Excavation Extent

Areas of Requested Deferral

Matador Production Company
Desoto Spring Recycling Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 4

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
SS01	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
SS02	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	417
SS03	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	302
SS04	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.8
SS05	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	231
SS06	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.6
SS07	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	278
SS08	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.4
SS10	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS12	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.9
SS13	8/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS13	8/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.3
SS14	8/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.0
SS14	8/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS15	8/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	203
SS15	8/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
BH01	10/7/2024	0	1.59	12.8	105	17,200	6,300	**17,305**	**23,605**	**8,580**
BH01	10/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,280**
BH01	10/7/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.8
BH02	10/7/2024	0	<0.0250	<0.0500	<20.0	9,740	4,540	**9,740**	**14,280**	**10,000**
BH02	10/7/2024	2	<0.0250	<0.0500	<20.0	44.0	<50.0	44.0	44.0	155
BH03	10/7/2024	0	1.02	7.99	64.6	11,800	4,710	**11,864.6**	**16,574.6**	**9,460**
BH03	10/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.2
BH04	10/7/2024	0	0.124	0.806	<20.0	18,000	7,530	**18,000**	**25,530**	**5,650**
BH04	10/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,600**
BH04	10/7/2024	4	<0.0250	<0.0500	<20.0	25.2	<50.0	25.2	25.2	175
BH05	10/8/2024	0	<0.0250	<0.0500	<20.0	110	<50.0	110	**110**	524
BH05	10/8/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.3
BH06	10/8/2024	0	1.23	13.13	103	17,600	7,270	**17,703**	**24,973**	**2,830**
BH06	10/8/2024	1	<0.0250	<0.0500	<20.0	140	81.5	140	**222**	**2,070**

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
BH06	10/8/2024	3	<0.0250	<0.0500	<20.0	124	57.2	124	**181**	58.2
BH06	10/8/2024	5	<0.0250	<0.0500	<20.0	48.6	<50.0	48.6	48.6	74.7
BH07	10/8/2024	0	0.185	5.05	71.6	28,200	10,700	**28,272**	**38,972**	**5,970**
BH07	10/8/2024	1	<0.0250	<0.0500	<20.0	116	90.6	116	**206.6**	**1,620**
BH07	10/8/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,470**
BH07	10/8/2024	5	<0.0250	<0.0500	<20.0	29.4	<50.0	29.4	29.4	**3,080**
BH07	10/8/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	323
BH08	10/8/2024	0	0.24	25.923	209	27,600	9,840	**27,809**	**37,649**	**1,640**
BH08	10/8/2024	1	<0.0250	<0.0500	<20.0	207	128	207	**335**	**1,590**
BH08	10/8/2024	3	<0.0250	<0.0500	<20.0	112	60.1	112	**172.1**	**1,810**
BH08	10/8/2024	5	0.0333	2.3753	26.2	5,370	2,150	**5,396**	**7,546**	**1,590**
BH08	10/9/2024	6	<0.0250	<0.0500	<20.0	34.7	<50.0	34.7	34.7	31.7
BH08	10/9/2024	7	<0.0250	<0.0500	<20.0	43.9	<50.0	43.9	43.9	73.4
BH08	10/9/2024	8	<0.0250	<0.0500	<20.0	58.6	<50.0	58.6	58.6	77.1
BH09	2/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,350**
BH09	2/14/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,610**
BH09	2/14/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**4,390**
BH09	2/14/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**5730**
BH09	2/20/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,590**
BH09	2/20/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,860**
BH09	2/20/2025	15.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,570**
BH09	3/17/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,510**
BH09	3/17/2025	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,560**
BH09	3/17/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	356
BH10	2/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**865**
BH10	2/14/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,440**
BH10	2/14/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,030**
BH10	2/14/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	515
BH10	2/20/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	548
BH10	2/20/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	285
BH11	2/20/2025	2	<0.0250	<0.0500	<20.0	65.6	56.8	65.6	**122**	**2,070**
BH11	2/20/2025	4	<0.0250	<0.0500	<20.0	277	240	277	**517**	**1,650**

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
BH11	2/20/2025	6	<0.0250	<0.0500	<20.0	142	70.8	142	**213**	253
BH11	2/20/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	593
BH11	2/20/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**620**
BH11	2/21/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**946**
BH11	2/21/2025	13	<0.0250	<0.0500	<20.0	25.5	<50.0	25.5	25.5	224
BH12	2/20/2025	3	<0.0250	<0.0500	<20.0	4,460	2,190	**4,460**	**6,650**	460
BH12	2/20/2025	5	<0.0250	<0.0500	<20.0	78.7	<50.0	78.7	78.7	109
BH12	2/20/2025	6	<0.0250	<0.0500	<20.0	28.8	<50.0	28.8	28.8	146
BH13	2/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,100**
BH13	2/21/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,830**
BH13	2/21/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	185
BH14	8/14/2025	0	<0.0250	<0.0500	<20.0	13,000	9,000	**13,000**	**22,000**	240
BH14	8/14/2025	1	<0.0250	<0.0500	<20.0	4,740	1,970	**4,740**	**6,710**	200
BH14	8/14/2025	2	<0.0250	<0.0500	<20.0	119	73.9	119	**193**	490
BH14	8/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	256
BH14	8/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
BH15	8/14/2025	0	<0.0250	<0.0500	<20.0	21,900	15,900	**21,900**	**37,800**	303
BH15	8/14/2025	1	<0.0250	<0.0500	<20.0	2,140	902	**2,140**	**3,042**	250
BH15	8/14/2025	2	<0.0250	<0.0500	<20.0	255	119	**255**	**374**	185
BH15	8/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.8
BH15	8/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.2
BH16	8/14/2025	0	<0.0250	<0.0500	<20.0	17,600	13,400	**17,600**	**31,000**	156.0
BH16	8/14/2025	1	<0.0250	<0.0500	<20.0	353	156	**353**	**509**	<20.0
BH16	8/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Grey text represents samples that have been excavated
"<": 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 2
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Soil Samples										
FS01	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.9
FS02	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.0
FS03	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.7
FS04	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.5
FS05	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.9
FS06	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.2
FS07	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.4
FS08	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.9
FS09	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.2
FS10	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.3
FS11	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.2
FS12	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS13	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102
FS14	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.6
FS15	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.1
FS16	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.5
FS17	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.5
FS18	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.2
FS19	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.9
FS20	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.3
FS21	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.6
FS22	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.6
FS23	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS24	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.6
FS25	1/24/2025	7	<0.0250	<0.0500	<20.0	27.6	<50.0	27.6	27.6	89.2
FS26	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112
FS27	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
FS28	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.4
FS29	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
FS30	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.8

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS31	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.7
FS32	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	116
FS33	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS34	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS35	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.6
FS36	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.1
FS37	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.0
FS38	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.8
FS39	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.9
FS41	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.3
FS42	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.3
FS43	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.1
FS44	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.5
FS45	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.0
FS46	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.7
FS47	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS48	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS49	2/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329
FS50	3/13/2025	3.5	<0.0250	<0.0500	<20.0	101	<50.0	101	**101**	**1,230**
FS50	10/13/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
FS51	3/13/2025	3.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,200**
FS51	10/13/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
FS52	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,650**
FS52	10/13/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
FS53	2/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	354
FS54	1/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
FS55	3/13/2025	4	<0.0250	<0.0500	<20.0	30.4	<50.0	30.4	30.4	**2,330**
FS56	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,680**
FS57	3/13/2025	4	<0.0250	<0.0500	<20.0	40.8	<50.0	40.8	40.8	**827**
FS58	3/13/2025	4	<0.0250	<0.0500	<20.0	75.0	<50.0	75.0	75.0	**911**

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS59	3/13/2025	4	<0.0250	<0.0500	<20.0	184	62.6	184	**247**	**1,060**
FS60	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	344
FS61	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.8
FS62	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.7
FS63	2/3/2025	2	<0.0250	<0.0500	<20.0	33.7	<50.0	33.7	33.7	103
FS64	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	122
FS65	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.4
FS66	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	370
FS67	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.9
FS68	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
FS69	2/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.8
FS70	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	154
FS71	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	435
FS72	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	233
FS73	3/13/2025	3	<0.0250	<0.0500	<20.0	228	110	228	**338**	**1,690**
FS74	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.4
FS75	2/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	415
FS76	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	353
FS77	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	213
FS78	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.5
FS79	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
FS80	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
FS81	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS82	2/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS83	3/13/2025	3	<0.0250	0.106	<20.0	486	216	486	**702**	**1,280**
FS84	3/13/2025	1	<0.0250	0.0500	<20.0	244	121	244	**365**	**1,210**
FS85	2/5/2025	1	<0.0250	<0.0500	<20.0	425	263	425	**688**	431
FS85	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
FS86	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
FS87	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS88	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.5

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS89	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.5
FS90	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.3
FS91	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	529
FS92	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	483
FS93	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	298
FS94	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	319
FS95	2/13/2025	2	<0.0250	<0.0500	<20.0	33.1	<50.0	33.1	33.1	181
FS96	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	487
FS97	2/11/2025	2	<0.0250	<0.0500	<20.0	30.1	<50.0	<25.0	30.1	412
FS98	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	300
FS98	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	350
FS99	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281
FS100	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	448
FS101	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
FS102	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	179
FS103	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	418
FS104	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,550**
FS105	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	404
FS106	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	308
FS107	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	327
FS108	2/13/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	145
FS109	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	275
FS110	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
FS111	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	248
FS112	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
FS113	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	60.5
FS114	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
FS115	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.8
FS116	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS117	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
FS118	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	91.9

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS119	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.7
FS120	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.7
FS121	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	190
FS122	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.3
FS123	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
FS124	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	154
FS125	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	114
FS126	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329
FS127	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	364
FS128	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	162
FS129	2/14/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.4
FS130	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.9
FS131	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.4
FS132	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	353
FS133	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	301
FS134	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	198
FS135	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	262
FS136	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.8
FS137	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.6
FS138	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
FS139	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	109
FS140	2/12/2025	2	<0.0250	<0.0500	<20.0	44.1	<50.0	44.1	44.1	274
FS141	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.0
FS142	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
FS143	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	198
FS144	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.6
FS145	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
FS146	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86.2
FS147	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	289
FS148	2/12/2025	2	<0.0250	<0.0500	<20.0	45.6	<50.0	<25.0	45.6	193
FS149	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.8

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS150	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS151	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.5
FS152	2/12/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS153	2/12/2025	6	<0.0250	<0.0500	<20.0	81.7	<50.0	<25.0	81.7	142
FS154	2/12/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS155	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.2
FS156	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176
FS157	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
FS158	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	240
FS159	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.1
FS160	2/12/2025	2	<0.0250	<0.0500	<20.0	45.5	<50.0	<25.0	45.5	99.0
FS161	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	581
FS162	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.3
FS163	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	208
FS164	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	305
FS165	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.7
FS166	2/14/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	183
FS167	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.7
FS168	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	450
FS169	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	130
FS170	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	316
FS171	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284
FS172	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.4
FS173	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23
FS174	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.4
FS175	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	377
FS176	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS177	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	136
FS178	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.2
FS179	10/9/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	272
FS180	10/8/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	158

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS181	10/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	268
FS182	10/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	235
FS183	10/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
FS184	10/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.7
FS185	10/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.3
FS186	10/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
FS187	10/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	150
FS188	10/13/2025	3	<0.0250	<0.0500	<20.0	104	76.5	104	**181**	58.0
FS188	10/29/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.7
FS189	10/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
FS190	10/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	263
FS191	10/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	211
FS192	10/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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

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TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Sidewall Soil Samples										
SW01	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.1
SW02	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.1
SW03	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
SW04	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.5
SW05	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW07	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.2
SW08	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW09	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW10	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW11	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW12	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW13	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW14	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.2
SW15	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.8
SW16	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.0
SW17	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.5
SW18	2/12/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	158
SW19	2/12/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
SW20	2/12/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
SW21	2/12/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.2
SW22	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266
SW23	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281
SW24	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW25	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.5
SW26	2/19/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	373
SW27	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	250
SW28	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	515
SW29	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	455
SW30	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,170**
SW30A	3/13/2025	0-4	<0.0250	<0.0500	<20.0	59.8	<50.0	59.8	59.8	383

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TABLE 3 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Sidewall Soil Samples										
SW31	2/19/2025	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	330
SW32	2/19/2025	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,000**
SW33	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**767**
SW34	2/19/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,550**
SW35	2/19/2025	0-3	<0.0250	<0.0500	<20.0	1,840	1,520	**1,840**	**3,360**	**4,180**
SW36	2/19/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	73.9	<25.0	73.9	<20.0
SW37	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.5
SW38	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW39	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW40	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW41	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176
SW42	10/13/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.3
SW43	10/13/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.6
SW44	10/13/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	398
SW45	10/15/2025	3-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	282
SW46	10/15/2025	3-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW47	10/15/2025	2-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW48	10/15/2025	2-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

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TABLE 3 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Sidewall Soil Samples										
SW49	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW50	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW51	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.8
SW52	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	226
SW53	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW54	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW55	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW56	10/15/2025	0-20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	194

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.*

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APPENDIX A

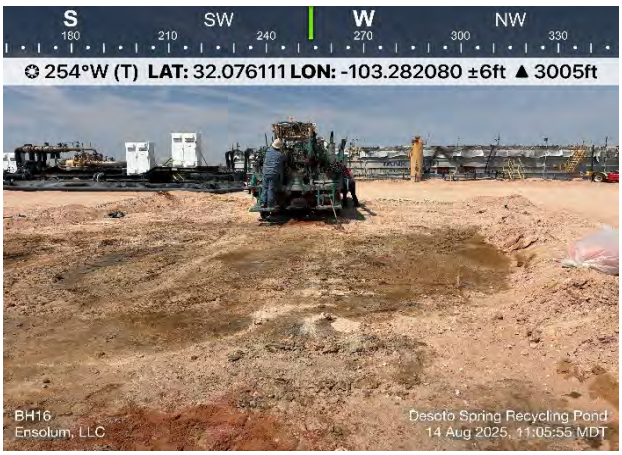
Photographic Log

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Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



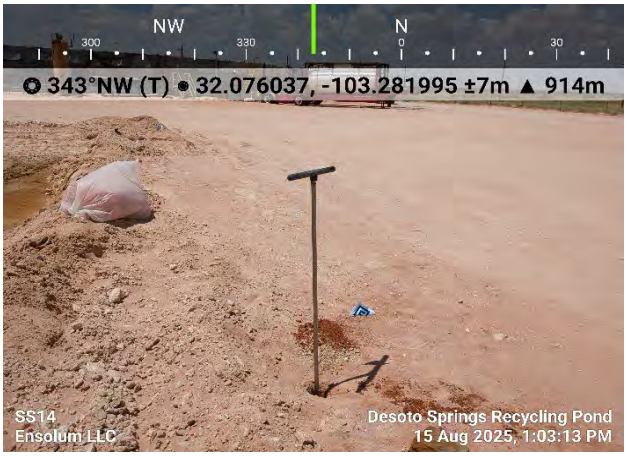
Photograph 1 Date: 8/14/2025
Description: Delineation (BH15)
View: West



Photograph 2 Date: 8/14/2025
Description: Delineation (BH16)
View: West



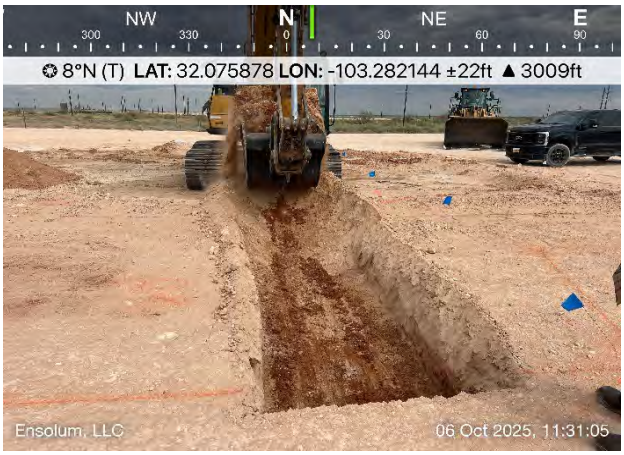
Photograph 3 Date: 8/15/2025
Description: Delineation (SS13)
View: Southwest



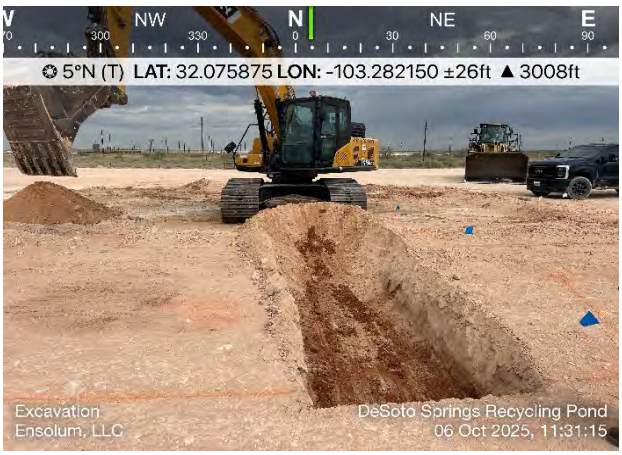
Photograph 4 Date: 8/15/2025
Description: Delineation (SS14)
View: North

ENSOLUM

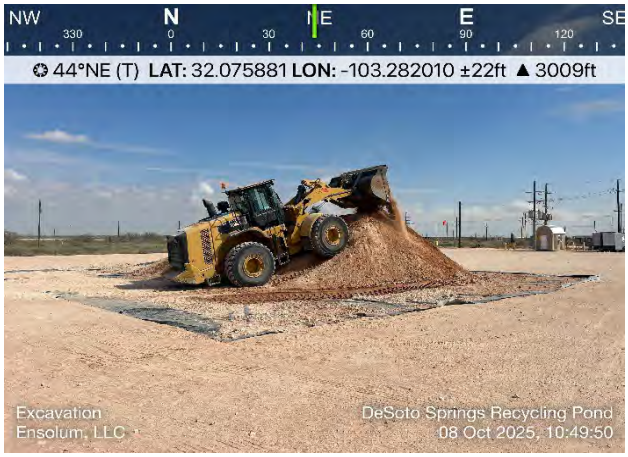
Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 5 Date: 10/6/2025
Description: Excavation Activities
View: North



Photograph 6 Date: 10/6/2025
Description: Excavation Activities
View: North



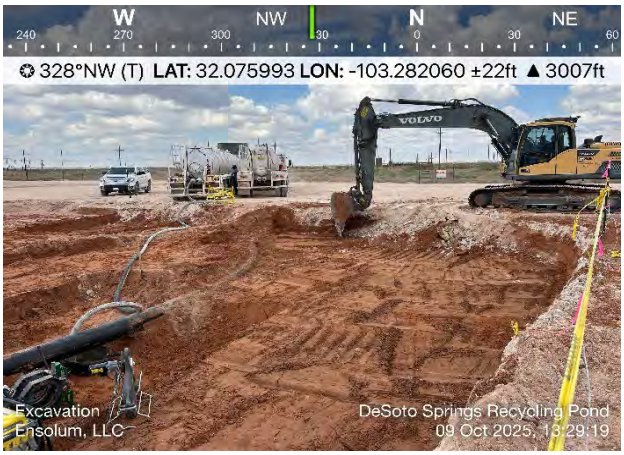
Photograph 7 Date: 10/8/2025
Description: Excavation Activities
View: Northeast



Photograph 8 Date: 10/8/2025
Description: Excavation Activities
View: Southwest

ENSOLUM

Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



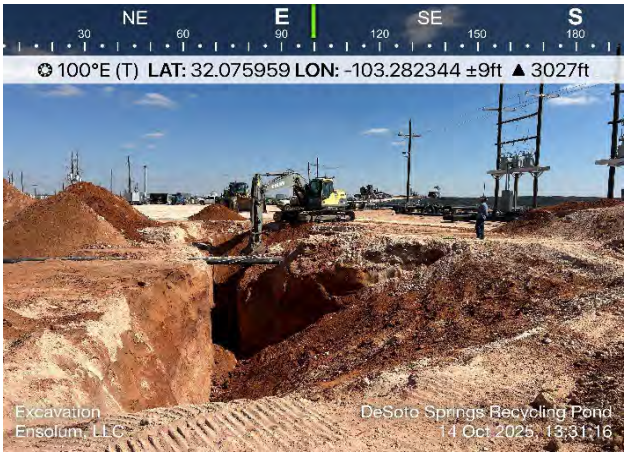
Photograph 9 Date: 10/9/2025
Description: Excavation Activities
View: Northwest



Photograph 10 Date: 10/9/2025
Description: Excavation Activities
View: Northwest



Photograph 11 Date: 10/13/2025
Description: Excavation Activities
View: East



Photograph 12 Date: 10/14/2025
Description: Excavation Activities
View: East

ENSOLUM

Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 13 Date: 10/15/2025
Description: Excavation Activities
View: North



Photograph 14 Date: 10/15/2025
Description: Excavation Activities
View: East



Photograph 15 Date: 10/15/2025
Description: Excavation Activities
View: West



Photograph 16 Date: 10/29/2025
Description: Excavation Activities
View: Southeast

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APPENDIX B

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH14	Date: 08/14/2025
	Site Name: Desoto Spring Recycling Pond	
	Incident Number: nAPP2426952037	
	Job Number: 03A2270060	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Hgonzalez	Method: Air Rotary
Coordinates: 32.076063,-103.282116	Hole Diameter: 6"	Total Depth: 5'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG 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
D			Y	BH14	0	0	CCHE	Caliche pad material; heavy staining; petroleum-like odor strong; black surface discoloration (~2 mm) over gray caliche matrix. Fast ROP; dull grind.
M			N	BH14	1	1	SW-SM	Reddish-brown, moist, well-graded silty sand; petroleum-like odor strong; nonplastic fines. Fast ROP; loose, free-flowing returns.
M			N	BH14	2	2		
M	454	32	N	BH14	3	3	SW-SM	Reddish-brown, moist, well-graded silty sand; nonplastic fines; no petroleum-like odor. Fast ROP; loose, free-flowing returns.
M	207	22	N	BH14	4	4		
M			N	BH14	5	5		

Total Depth @ 5 feet bgs.

ENSOLUM

	Sample Name: BH15	Date: 08/14/2025
	Site Name: Desoto Spring Recycling Pond	
	Incident Number: nAPP2426952037	
	Job Number: 03A2270060	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Hgonzalez	Method: Air Rotary
Coordinates: 32.076002,-103.282117	Hole Diameter: 6"	Total Depth: 5'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG 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
D			Y	BH15	0	0	CCHE	Caliche pad material; heavy staining; petroleum-like odor strong; black surface discoloration (~2 mm) over gray caliche matrix. Fast ROP; dull grind.
M	ND		N	BH15	1	1	SW-SM	Reddish-brown, moist, well-graded silty sand; petroleum-like odor strong; nonplastic fines. Fast ROP; loose, free-flowing returns.
M	ND		N	BH15	2	2		
M	ND	195	N	BH15	3	3	SW-SM	Reddish-brown, moist, well-graded silty sand; nonplastic fines; no petroleum-like odor. Fast ROP; loose, free-flowing returns.
M	ND	16	N	BH15	4	4		
M	ND		N	BH15	5	5		

Total Depth @ 5 feet bgs.

ENSOLUM

	Sample Name: BH16	Date: 08/14/2025
	Site Name: Desoto Spring Recycling Pond	
	Incident Number: nAPP2426952037	
	Job Number: 03A2270060	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Hgonzalez	Method: Air Rotary
Coordinates: 32.076041,-1033.282233	Hole Diameter: 6"	Total Depth: 5'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG 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
D			N	BH16	0	0	CCHE	Caliche pad material; dry; no staining; white in color. Fast ROP; dull grind.
M			N	BH16	1	1	SW-SM	Reddish-brown, moist, well-graded silty sand; nonplastic fines; no petroleum-like odor. Fast ROP; loose, free-flowing returns.
M	ND	26	N	BH16	2	2		
M	ND		N	BH16	3	3		
M	ND		N	BH16	4	4		
M			N	BH16	5	5		

Total Depth @ 5 feet bgs.

ENSOLUM

APPENDIX C

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:	Desoto Springs Recycling Pond
Work Order:	E508193
Job Number:	23003-0002
Received:	8/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/22/25

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: 8/22/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E508193
Date Received: 8/16/2025 8:15:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/16/2025 8:15:29AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/22/25 08:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH14-0'	E508193-01A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH14-1'	E508193-02A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH14-2'	E508193-03A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH14-3'	E508193-04A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH14-4'	E508193-05A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH15-0'	E508193-06A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH15-1'	E508193-07A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH15-2'	E508193-08A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH15-3'	E508193-09A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH15-4'	E508193-10A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH15-5'	E508193-11A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH16-0'	E508193-12A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH16-1'	E508193-13A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.
BH16-2'	E508193-14A	Soil	08/14/25	08/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH14-0'

E508193-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**13000**	250	10	08/19/25	08/19/25	
Oil Range Organics (C28-C36)	**9000**	500	10	08/19/25	08/19/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*08/19/25*	*08/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**240**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH14-1'

E508193-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**4740**	125	5	08/19/25	08/19/25	
Oil Range Organics (C28-C36)	**1970**	250	5	08/19/25	08/19/25	
Surrogate: n-Nonane		*96.2 %*	*61-141*	*08/19/25*	*08/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**200**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH14-2'

E508193-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**119**	25.0	1	08/19/25	08/19/25	
Oil Range Organics (C28-C36)	**73.9**	50.0	1	08/19/25	08/19/25	
Surrogate: n-Nonane		*84.5 %*	*61-141*	*08/19/25*	*08/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**490**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH14-3'

E508193-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/25	08/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/25	08/19/25	
Surrogate: n-Nonane		*86.4 %*	*61-141*	*08/19/25*	*08/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**256**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH14-4'

E508193-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/25	08/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/25	08/19/25	
Surrogate: n-Nonane		*88.8 %*	*61-141*	*08/19/25*	*08/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**135**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH15-0'

E508193-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**21900**	250	10	08/19/25	08/20/25	
Oil Range Organics (C28-C36)	**15900**	500	10	08/19/25	08/20/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*08/19/25*	*08/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**303**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH15-1'

E508193-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**2140**	50.0	2	08/19/25	08/19/25	
Oil Range Organics (C28-C36)	**902**	100	2	08/19/25	08/19/25	
Surrogate: n-Nonane		*86.3 %*	*61-141*	*08/19/25*	*08/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**250**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH15-2'

E508193-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**255**	25.0	1	08/19/25	08/21/25	
Oil Range Organics (C28-C36)	**119**	50.0	1	08/19/25	08/21/25	
Surrogate: n-Nonane		*59.7 %*	*61-141*	*08/19/25*	*08/21/25*	*S3*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**185**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH15-3'

E508193-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/25	08/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/25	08/21/25	
Surrogate: n-Nonane		*82.4 %*	*61-141*	*08/19/25*	*08/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**21.8**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH15-4'

E508193-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/19/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/19/25	
Toluene	ND	0.0250	1	08/18/25	08/19/25	
o-Xylene	ND	0.0250	1	08/18/25	08/19/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/19/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/19/25	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/18/25*	*08/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/25	08/20/25	
Surrogate: n-Nonane		*86.3 %*	*61-141*	*08/19/25*	*08/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**33.2**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH16-0'

E508193-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/20/25	
Toluene	ND	0.0250	1	08/18/25	08/20/25	
o-Xylene	ND	0.0250	1	08/18/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/20/25	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/20/25	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/18/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**17600**	250	10	08/19/25	08/20/25	
Oil Range Organics (C28-C36)	**13400**	500	10	08/19/25	08/20/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*08/19/25*	*08/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	**156**	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH16-1'

E508193-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/20/25	
Toluene	ND	0.0250	1	08/18/25	08/20/25	
o-Xylene	ND	0.0250	1	08/18/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/20/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/18/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/20/25	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*08/18/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	**353**	25.0	1	08/19/25	08/21/25	
Oil Range Organics (C28-C36)	**156**	50.0	1	08/19/25	08/21/25	
Surrogate: n-Nonane		*92.1 %*	*61-141*	*08/19/25*	*08/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	ND	20.0	1	08/18/25	08/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

BH16-2'

E508193-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Benzene	ND	0.0250	1	08/18/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/18/25	08/20/25	
Toluene	ND	0.0250	1	08/18/25	08/20/25	
o-Xylene	ND	0.0250	1	08/18/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/18/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/18/25	08/20/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2534005
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/25	08/20/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*08/18/25*	*08/20/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/18/25*	*08/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2534056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/25	08/20/25	
Surrogate: n-Nonane		*91.5 %*	*61-141*	*08/19/25*	*08/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2534032
Chloride	ND	20.0	1	08/18/25	08/18/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

Volatile Organic Compounds by EPA 8260B

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 (2534005-BLK1)									Prepared: 08/18/25 Analyzed: 08/19/25
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: Bromofluorobenzene	*0.537*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
LCS (2534005-BS1)									Prepared: 08/18/25 Analyzed: 08/20/25
Benzene	2.41	0.0250	2.50		96.6	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.0	70-130			
Toluene	2.34	0.0250	2.50		93.6	70-130			
o-Xylene	2.36	0.0250	2.50		94.4	70-130			
p,m-Xylene	4.88	0.0500	5.00		97.6	70-130			
Total Xylenes	7.24	0.0250	7.50		96.5	70-130			
Surrogate: Bromofluorobenzene	*0.542*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			
Matrix Spike (2534005-MS1)				**Source: E508193-07**					Prepared: 08/18/25 Analyzed: 08/19/25
Benzene	2.48	0.0250	2.50	ND	99.2	48-131			
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.50	0.0250	2.50	ND	99.8	43-135			
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.66	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2534005-MSD1)				**Source: E508193-07**					Prepared: 08/18/25 Analyzed: 08/19/25
Benzene	2.53	0.0250	2.50	ND	101	48-131	2.12	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	1.98	27	
Toluene	2.50	0.0250	2.50	ND	99.9	48-130	0.758	24	
o-Xylene	2.37	0.0250	2.50	ND	94.9	43-135	5.03	27	
p,m-Xylene	4.91	0.0500	5.00	ND	98.3	43-135	5.09	27	
Surrogate: Bromofluorobenzene	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

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 (2534005-BLK1)									Prepared: 08/18/25 Analyzed: 08/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.537*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
LCS (2534005-BS2)									Prepared: 08/18/25 Analyzed: 08/19/25
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Surrogate: Bromofluorobenzene	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.530*		*0.500*		*106*	*70-130*			
Matrix Spike (2534005-MS2)				**Source: E508193-07**					Prepared: 08/18/25 Analyzed: 08/20/25
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	*0.554*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2534005-MSD2)				**Source: E508193-07**					Prepared: 08/18/25 Analyzed: 08/20/25
Gasoline Range Organics (C6-C10)	57.5	20.0	50.0	ND	115	70-130	8.74	20	
Surrogate: Bromofluorobenzene	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

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 (2534056-BLK1)									Prepared: 08/19/25 Analyzed: 08/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			
LCS (2534056-BS1)									Prepared: 08/19/25 Analyzed: 08/19/25
Diesel Range Organics (C10-C28)	242	25.0	250		96.8	66-144			
Surrogate: n-Nonane	*44.1*		*50.0*		*88.2*	*61-141*			
Matrix Spike (2534056-MS1)				**Source: E508193-10**					Prepared: 08/19/25 Analyzed: 08/19/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*61-141*			
Matrix Spike Dup (2534056-MSD1)				**Source: E508193-10**					Prepared: 08/19/25 Analyzed: 08/19/25
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	1.36	20	
Surrogate: n-Nonane	*44.1*		*50.0*		*88.3*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/22/2025 8:54:29AM

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 (2534032-BLK1)									Prepared: 08/18/25 Analyzed: 08/18/25
Chloride	ND	20.0							
LCS (2534032-BS1)									Prepared: 08/18/25 Analyzed: 08/18/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2534032-MS1)				**Source: E508193-03**					Prepared: 08/18/25 Analyzed: 08/18/25
Chloride	751	20.0	250	490	104	80-120			
Matrix Spike Dup (2534032-MSD1)				**Source: E508193-03**					Prepared: 08/18/25 Analyzed: 08/18/25
Chloride	760	20.0	250	490	108	80-120	1.23	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/22/25 08:54

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E508193	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project Name: Desoto Spring Recycling Pond	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
1013	08/14/2025	S	1	BH14-0'		1									X			3.5	
1014	08/14/2025	S	1	BH14-1'		2									X			3.9	
1015	08/14/2025	S	1	BH14-2'		3									X			3.6	
1016	08/14/2025	S	1	BH14-3'		4									X			4.0	
1017	08/14/2025	S	1	BH14-4'		5									X			4.2	
0904	08/14/2025	S	1	BH15-0'		6									X			4.4	
0905	08/14/2025	S	1	BH15-1'		7									X			3.9	
0906	08/14/2025	S	1	BH15-2'		8									X			4.1	
0907	08/14/2025	S	1	BH15-3'		9									X			4.4	
0908	08/14/2025	S	1	BH15-4'		10									X			3.8	

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8-15-25	0900	Michelle Gonzales	8.15.25	0900
Michelle Gonzales	8-15-25	1500	Marissa Gonzales	8-15-25	1500
Marissa Gonzales	8-15-25	2300	Noe Soto	8.16.25	085
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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E508193	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project Name: Desoto Spring Recycling Pond	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		Samle Temp	Remarks
1013	08/14/2025	S	1	BH15-5'		11									X			3.7	DO NOT RUN UNLESS BH15-4' IS >100 TPH/600 CL
1014	08/14/2025	S	1	BH16-0'		12									X			4.4	
1015	08/14/2025	S	1	BH16-1'		13									X			4.5	
1016	08/14/2025	S	1	BH16-2'		14									X			4.2	
															X				
															X				
															X				
															X				
															X				
															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
	8-15-25	0900	Michelle Gonzales	8-15-25	0900
Michelle Gonzales	8-15-25	1500	Marissa Gonzales	8-15-25	1500
Marissa Gonzales	8-15-25	2300	Nac Soto	8-16-25	0815

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: 8/18/2025 11:29:16AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	08/16/25 08:15	Work Order ID:	E508193
Phone:	(972) 371-5200	Date Logged In:	08/15/25 15:40	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/22/25 07:00 (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

Client Remark- Do not run unless BH15-4 is >100 TPH/600 CL.

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:	Desoto Springs Recycling Pond
Work Order:	E508245
Job Number:	23003-0002
Received:	8/22/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/28/25

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: 8/28/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E508245
Date Received: 8/22/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/22/2025 7:30:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/28/25 11:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS13-0'	E508245-01A	Soil	08/20/25	08/22/25	Glass Jar, 2 oz.
SS13-1'	E508245-02A	Soil	08/20/25	08/22/25	Glass Jar, 2 oz.
SS14-0'	E508245-03A	Soil	08/20/25	08/22/25	Glass Jar, 2 oz.
SS14-1'	E508245-04A	Soil	08/20/25	08/22/25	Glass Jar, 2 oz.
SS15-0'	E508245-05A	Soil	08/20/25	08/22/25	Glass Jar, 2 oz.
SS15-1'	E508245-06A	Soil	08/20/25	08/22/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

SS13-0'

E508245-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Benzene	ND	0.0250	1	08/22/25	08/22/25	
Ethylbenzene	ND	0.0250	1	08/22/25	08/22/25	
Toluene	ND	0.0250	1	08/22/25	08/22/25	
o-Xylene	ND	0.0250	1	08/22/25	08/22/25	
p,m-Xylene	ND	0.0500	1	08/22/25	08/22/25	
Total Xylenes	ND	0.0250	1	08/22/25	08/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/22/25	08/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2534111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/25	08/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/25	08/23/25	
Surrogate: n-Nonane		*95.5 %*	*61-141*	*08/22/25*	*08/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2534119
Chloride	ND	20.0	1	08/22/25	08/25/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

SS13-1'

E508245-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Benzene	ND	0.0250	1	08/22/25	08/22/25	
Ethylbenzene	ND	0.0250	1	08/22/25	08/22/25	
Toluene	ND	0.0250	1	08/22/25	08/22/25	
o-Xylene	ND	0.0250	1	08/22/25	08/22/25	
p,m-Xylene	ND	0.0500	1	08/22/25	08/22/25	
Total Xylenes	ND	0.0250	1	08/22/25	08/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/22/25	08/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2534111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/25	08/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/25	08/23/25	
Surrogate: n-Nonane		*86.9 %*	*61-141*	*08/22/25*	*08/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2534119
Chloride	**79.3**	20.0	1	08/22/25	08/25/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

SS14-0'

E508245-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Benzene	ND	0.0250	1	08/22/25	08/22/25	
Ethylbenzene	ND	0.0250	1	08/22/25	08/22/25	
Toluene	ND	0.0250	1	08/22/25	08/22/25	
o-Xylene	ND	0.0250	1	08/22/25	08/22/25	
p,m-Xylene	ND	0.0500	1	08/22/25	08/22/25	
Total Xylenes	ND	0.0250	1	08/22/25	08/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/22/25	08/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2534111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/25	08/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/25	08/23/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*08/22/25*	*08/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2534119
Chloride	**99.0**	20.0	1	08/22/25	08/25/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

SS14-1'

E508245-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Benzene	ND	0.0250	1	08/22/25	08/22/25	
Ethylbenzene	ND	0.0250	1	08/22/25	08/22/25	
Toluene	ND	0.0250	1	08/22/25	08/22/25	
o-Xylene	ND	0.0250	1	08/22/25	08/22/25	
p,m-Xylene	ND	0.0500	1	08/22/25	08/22/25	
Total Xylenes	ND	0.0250	1	08/22/25	08/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/22/25	08/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2534111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/25	08/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/25	08/23/25	
Surrogate: n-Nonane		*94.6 %*	*61-141*	*08/22/25*	*08/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2534119
Chloride	ND	20.0	1	08/22/25	08/25/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

SS15-0'

E508245-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Benzene	ND	0.0250	1	08/22/25	08/22/25	
Ethylbenzene	ND	0.0250	1	08/22/25	08/22/25	
Toluene	ND	0.0250	1	08/22/25	08/22/25	
o-Xylene	ND	0.0250	1	08/22/25	08/22/25	
p,m-Xylene	ND	0.0500	1	08/22/25	08/22/25	
Total Xylenes	ND	0.0250	1	08/22/25	08/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/22/25	08/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2534111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/25	08/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/25	08/23/25	
Surrogate: n-Nonane		*89.7 %*	*61-141*	*08/22/25*	*08/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2534119
Chloride	**203**	20.0	1	08/22/25	08/25/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

SS15-1'

E508245-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Benzene	ND	0.0250	1	08/22/25	08/22/25	
Ethylbenzene	ND	0.0250	1	08/22/25	08/22/25	
Toluene	ND	0.0250	1	08/22/25	08/22/25	
o-Xylene	ND	0.0250	1	08/22/25	08/22/25	
p,m-Xylene	ND	0.0500	1	08/22/25	08/22/25	
Total Xylenes	ND	0.0250	1	08/22/25	08/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2534118
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/22/25	08/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*08/22/25*	*08/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2534111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/22/25	08/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/22/25	08/23/25	
Surrogate: n-Nonane		*90.1 %*	*61-141*	*08/22/25*	*08/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2534119
Chloride	**124**	20.0	1	08/22/25	08/25/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

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 (2534118-BLK1)									Prepared: 08/22/25 Analyzed: 08/22/25
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	*7.63*		*8.00*		*95.4*	*70-130*			
LCS (2534118-BS1)									Prepared: 08/22/25 Analyzed: 08/22/25
Benzene	4.10	0.0250	5.00		82.0	70-130			
Ethylbenzene	4.02	0.0250	5.00		80.4	70-130			
Toluene	4.07	0.0250	5.00		81.4	70-130			
o-Xylene	4.05	0.0250	5.00		81.0	70-130			
p,m-Xylene	8.14	0.0500	10.0		81.4	70-130			
Total Xylenes	12.2	0.0250	15.0		81.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike (2534118-MS1)				**Source: E508245-05**					Prepared: 08/22/25 Analyzed: 08/22/25
Benzene	5.04	0.0250	5.00	ND	101	70-130			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130			
Toluene	4.98	0.0250	5.00	ND	99.5	70-130			
o-Xylene	4.93	0.0250	5.00	ND	98.7	70-130			
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.3*	*70-130*			
Matrix Spike Dup (2534118-MSD1)				**Source: E508245-05**					Prepared: 08/22/25 Analyzed: 08/22/25
Benzene	4.86	0.0250	5.00	ND	97.2	70-130	3.72	27	
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	70-130	2.65	26	
Toluene	4.81	0.0250	5.00	ND	96.1	70-130	3.48	20	
o-Xylene	4.77	0.0250	5.00	ND	95.5	70-130	3.30	25	
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	70-130	3.13	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	70-130	3.19	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

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 (2534118-BLK1)									Prepared: 08/22/25 Analyzed: 08/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			
LCS (2534118-BS2)									Prepared: 08/22/25 Analyzed: 08/22/25
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.8*	*70-130*			
Matrix Spike (2534118-MS2)				**Source: E508245-05**					Prepared: 08/22/25 Analyzed: 08/22/25
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike Dup (2534118-MSD2)				**Source: E508245-05**					Prepared: 08/22/25 Analyzed: 08/22/25
Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	ND	112	70-130	2.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

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 (2534111-BLK1)									Prepared: 08/22/25 Analyzed: 08/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.3*		*50.0*		*88.6*	*61-141*			
LCS (2534111-BS1)									Prepared: 08/22/25 Analyzed: 08/23/25
Diesel Range Organics (C10-C28)	277	25.0	250		111	66-144			
Surrogate: n-Nonane	*45.6*		*50.0*		*91.3*	*61-141*			
Matrix Spike (2534111-MS1)				**Source: E508239-02**					Prepared: 08/22/25 Analyzed: 08/23/25
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*46.7*		*50.0*		*93.5*	*61-141*			
Matrix Spike Dup (2534111-MSD1)				**Source: E508239-02**					Prepared: 08/22/25 Analyzed: 08/23/25
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156	3.82	20	
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/28/2025 11:44:14AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2534119-BLK1)									Prepared: 08/22/25 Analyzed: 08/22/25
Chloride	ND	20.0							
LCS (2534119-BS1)									Prepared: 08/22/25 Analyzed: 08/22/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2534119-MS1)				**Source: E508234-08**					Prepared: 08/22/25 Analyzed: 08/22/25
Chloride	5050	40.0	250	3180	745	80-120			M4
Matrix Spike Dup (2534119-MSD1)				**Source: E508234-08**					Prepared: 08/22/25 Analyzed: 08/22/25
Chloride	4240	40.0	250	3180	424	80-120	17.3	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/28/25 11:44

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E508245	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	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
15:05	8/20/2025	S	1	SS13 - 0'		1									X			1.8	
15:53	8/20/2025	S	1	SS13 - 1'		2									X			2.2	Do not run for BGDOC unless SS13 - 0' is <100 TPH and 600 Cl
16:57	8/20/2025	S	1	SS14 - 0'		3									X			1.2	
17:29	8/20/2025	S	1	SS14 - 1'		4									X			1.5	Do not run for BGDOC unless SS14 - 0' is <100 TPH and 600 Cl
13:00	8/20/2025	S	1	SS15 - 0'		5												1.3	
13:35	8/20/2025	S	1	SS15 - 1'		6												1.3	Do not run for BGDOC unless SS15 - 0' is <100 TPH and 600 Cl

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, jhinkle@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Jarad McCauley, Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/21/25	09:55	Michelle Gonzales	8.21.25	0955
Michelle Gonzales	8-21-25	1400	Marissa Gonzales	8-21-25	1400
Marissa Gonzales	8-21-25	1826	Dani Lopez	8-21-25	1826
	8-21-25	2250	Caitlin Mars	8.22.25	730
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: 8/22/2025 10:22:38AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	08/22/25 07:30	Work Order ID:	E508245
Phone:	(972) 371-5200	Date Logged In:	08/21/25 17:04	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/28/25 07:00 (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

Client remarks regarding running samples.
See COC.

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E508245	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	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
15:05	8/20/2025	S	1	SS13 - 0'		1									X			1.8	
15:53	8/20/2025	S	1	SS13 - 1'		2									X			2.2	Do not run for BGDOC unless SS13 - 0' is <100 TPH and 600 Cl
16:57	8/20/2025	S	1	SS14 - 0'		3									X			1.2	
17:29	8/20/2025	S	1	SS14 - 1'		4									X			1.5	Do not run for BGDOC unless SS14 - 0' is <100 TPH and 600 Cl
13:00	8/20/2025	S	1	SS15 - 0'		5												1.3	
13:35	8/20/2025	S	1	SS15 - 1'		6												1.3	Do not run for BGDOC unless SS15 - 0' is <100 TPH and 600 Cl

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Client asked to report Samples 2, 4, 6 8/28/25 CM

Additional Instructions: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, jhinkle@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Jarad McCauley, Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/21/25	09:55	Michelle Gonzales	8-21-25	0955
Michelle Gonzales	8-21-25	1400	Marissa Gonzales	8-21-25	1400
Marissa Gonzales	8-21-25	1826	Dan Lam	8-21-25	1826
	8-21-25	2250	Caitlin Mars	8-22-25	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.

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:	Desoto Springs Recycling Pond
Work Order:	E510103
Job Number:	23003-0002
Received:	10/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/16/25

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: 10/16/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E510103
Date Received: 10/10/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/10/2025 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/25 08:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS169-2'	E510103-01A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS170-2'	E510103-02A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS171-2'	E510103-03A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS172-2'	E510103-04A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS173-2'	E510103-05A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS174-2'	E510103-06A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS175-2'	E510103-07A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS176-2'	E510103-08A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS177-2'	E510103-09A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS178-2'	E510103-10A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.
FS180-2'	E510103-11A	Soil	10/08/25	10/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS169-2'

E510103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*91.7 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**130**	20.0	1	10/10/25	10/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS170-2'

E510103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*90.0 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**316**	20.0	1	10/10/25	10/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS171-2'

E510103-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.5 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*92.0 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**284**	20.0	1	10/10/25	10/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS172-2'

E510103-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.2 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*87.4 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**87.4**	20.0	1	10/10/25	10/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS173-2'

E510103-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*87.6 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**23.0**	20.0	1	10/10/25	10/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS174-2'

E510103-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/11/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/11/25	
Toluene	ND	0.0250	1	10/10/25	10/11/25	
o-Xylene	ND	0.0250	1	10/10/25	10/11/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/11/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*10/10/25*	*10/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.8 %*	*70-130*	*10/10/25*	*10/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*85.0 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**58.4**	20.0	1	10/10/25	10/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS175-2'

E510103-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*83.7 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**377**	20.0	1	10/10/25	10/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS176-2'

E510103-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*87.2 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	ND	20.0	1	10/10/25	10/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS177-2'

E510103-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*87.5 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**136**	20.0	1	10/10/25	10/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS178-2'

E510103-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*85.7 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**62.2**	20.0	1	10/10/25	10/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

FS180-2'

E510103-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Benzene	ND	0.0250	1	10/10/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/10/25	10/13/25	
Toluene	ND	0.0250	1	10/10/25	10/13/25	
o-Xylene	ND	0.0250	1	10/10/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/10/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/10/25	10/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2541141
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/25	10/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*10/10/25*	*10/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2541136
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
Surrogate: n-Nonane		*86.8 %*	*61-141*	*10/10/25*	*10/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2541151
Chloride	**158**	20.0	1	10/10/25	10/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

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 (2541141-BLK1)									Prepared: 10/10/25 Analyzed: 10/11/25
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	*7.83*		*8.00*		*97.8*	*70-130*			
LCS (2541141-BS1)									Prepared: 10/10/25 Analyzed: 10/11/25
Benzene	6.34	0.0250	5.00		127	70-130			
Ethylbenzene	6.24	0.0250	5.00		125	70-130			
Toluene	6.31	0.0250	5.00		126	70-130			
o-Xylene	6.24	0.0250	5.00		125	70-130			
p,m-Xylene	12.6	0.0500	10.0		126	70-130			
Total Xylenes	18.9	0.0250	15.0		126	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.3*	*70-130*			
Matrix Spike (2541141-MS1)				**Source: E510103-06**					Prepared: 10/10/25 Analyzed: 10/11/25
Benzene	5.84	0.0250	5.00	ND	117	70-130			
Ethylbenzene	5.74	0.0250	5.00	ND	115	70-130			
Toluene	5.80	0.0250	5.00	ND	116	70-130			
o-Xylene	5.75	0.0250	5.00	ND	115	70-130			
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130			
Total Xylenes	17.4	0.0250	15.0	ND	116	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2541141-MSD1)				**Source: E510103-06**					Prepared: 10/10/25 Analyzed: 10/11/25
Benzene	6.25	0.0250	5.00	ND	125	70-130	6.83	27	
Ethylbenzene	6.16	0.0250	5.00	ND	123	70-130	7.01	26	
Toluene	6.22	0.0250	5.00	ND	124	70-130	6.93	20	
o-Xylene	6.16	0.0250	5.00	ND	123	70-130	6.87	25	
p,m-Xylene	12.5	0.0500	10.0	ND	125	70-130	6.90	23	
Total Xylenes	18.7	0.0250	15.0	ND	124	70-130	6.89	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

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 (2541141-BLK1)									Prepared: 10/10/25 Analyzed: 10/11/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.86*		*8.00*		*85.8*	*70-130*			
LCS (2541141-BS2)									Prepared: 10/10/25 Analyzed: 10/11/25
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.86*		*8.00*		*85.7*	*70-130*			
Matrix Spike (2541141-MS2)				**Source: E510103-06**					Prepared: 10/10/25 Analyzed: 10/11/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.91*		*8.00*		*86.4*	*70-130*			
Matrix Spike Dup (2541141-MSD2)				**Source: E510103-06**					Prepared: 10/10/25 Analyzed: 10/11/25
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	17.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.96*		*8.00*		*87.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

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 (2541136-BLK1)									Prepared: 10/10/25 Analyzed: 10/10/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.2*		*50.0*		*84.3*	*61-141*			
LCS (2541136-BS1)									Prepared: 10/10/25 Analyzed: 10/10/25
Diesel Range Organics (C10-C28)	236	25.0	250		94.2	66-144			
Surrogate: n-Nonane	*43.0*		*50.0*		*86.0*	*61-141*			
Matrix Spike (2541136-MS1)				**Source: E510103-04**					Prepared: 10/10/25 Analyzed: 10/10/25
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.4	56-156			
Surrogate: n-Nonane	*43.8*		*50.0*		*87.6*	*61-141*			
Matrix Spike Dup (2541136-MSD1)				**Source: E510103-04**					Prepared: 10/10/25 Analyzed: 10/10/25
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.5	56-156	1.18	20	
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 8:49:44AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2541151-BLK1)									Prepared: 10/10/25 Analyzed: 10/10/25
Chloride	ND	20.0							
LCS (2541151-BS1)									Prepared: 10/10/25 Analyzed: 10/10/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2541151-MS1)				**Source: E510102-04**					Prepared: 10/10/25 Analyzed: 10/10/25
Chloride	686	20.0	250	435	100	80-120			
Matrix Spike Dup (2541151-MSD1)				**Source: E510102-04**					Prepared: 10/10/25 Analyzed: 10/10/25
Chloride	725	20.0	250	435	116	80-120	5.46	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/25 08:49

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E510103	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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 / **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		Sample Temp	Remarks
12:12	10/8/2025	Soil	1	FS169 - 2'		1									x			4.5	
12:13	10/8/2025	Soil	1	FS170 - 2'		2									x			2.2	
12:35	10/8/2025	Soil	1	FS171 - 2'		3									x			2.5	
12:15	10/8/2025	Soil	1	FS172 - 2'		4									x			4.4	
12:16	10/8/2025	Soil	1	FS173 - 2'		5									x			3.7	
13:40	10/8/2025	Soil	1	FS174 - 2'		6									x			3.5	
13:42	10/8/2025	Soil	1	FS175 - 2'		7									x			4.9	
13:44	10/8/2025	Soil	1	FS176 - 2'		8									x			4.7	
13:43	10/8/2025	Soil	1	FS177 - 2'		9									x			5.4	
13:45	10/8/2025	Soil	1	FS178 - 2'		10									x			4.7	

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/9/25	7:11	Michelle Gonzales	10.9.25	0711
Michelle Gonzales	10-9-25	1215	[signature]	10-9-25	1215
[signature]	10-9-25	1650	Andrew Musso	10.9.25	1650
Andrew Musso	10.9.25	2245	Caitlin Mar	10.10.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed 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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E510103	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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		Samle Temp	Remarks
14:16	10/8/2025	Soil	1	FS180 - 2'		11									x			4.4	

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/9/25	7:11	Michelle Gonzales	10.9.25	0711
Michelle Gonzales	10-9-25	1215	[signature]	10.9.25	1215
[signature]	10-9-25	1650	Andrew Musso	10.9.25	1650
Andrew Musso	10.9.25	2245	[signature]	10.10.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed 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: 10/10/2025 9:39:49AM

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:	10/10/25 08:00	Work Order ID:	E510103
Phone:	(972) 371-5200	Date Logged In:	10/09/25 13:59	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/16/25 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

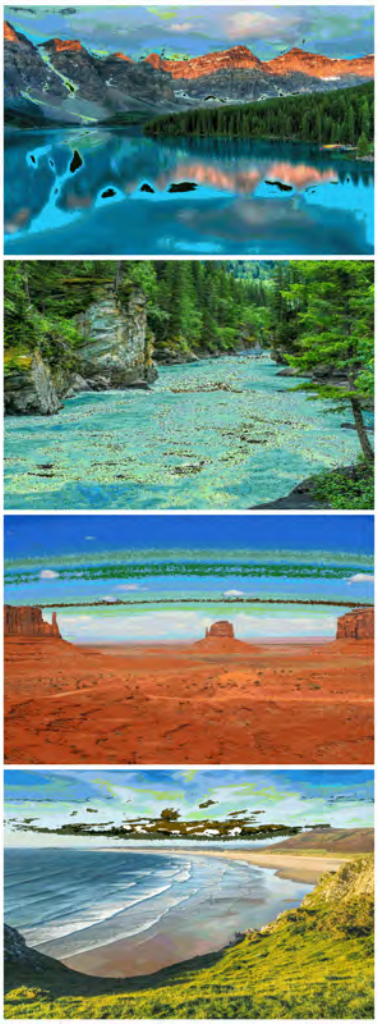
Signature of client authorizing changes to the COC or sample disposition.

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:	Desoto Springs Recycling Pond
Work Order:	E510115
Job Number:	23003-0002
Received:	10/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/16/25

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: 10/16/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E510115
Date Received: 10/13/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/13/2025 7:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/25 16:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS179-2.5'	E510115-01A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
FS181-3'	E510115-02A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
FS182-3'	E510115-03A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
FS183-3'	E510115-04A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
FS184-3'	E510115-05A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
FS185-3'	E510115-06A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
FS186-3'	E510115-07A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

FS179-2.5'

E510115-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
Surrogate: n-Nonane		*89.3 %*	*61-141*	*10/13/25*	*10/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542010
Chloride	**272**	20.0	1	10/13/25	10/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

FS181-3'

E510115-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
Surrogate: n-Nonane		*87.8 %*	*61-141*	*10/13/25*	*10/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542010
Chloride	**268**	20.0	1	10/13/25	10/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

FS182-3'

E510115-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
Surrogate: n-Nonane		*90.2 %*	*61-141*	*10/13/25*	*10/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542010
Chloride	**235**	20.0	1	10/13/25	10/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

FS183-3'

E510115-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.8 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
Surrogate: n-Nonane		*90.0 %*	*61-141*	*10/13/25*	*10/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542010
Chloride	**104**	20.0	1	10/13/25	10/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

FS184-3'

E510115-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*119 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.8 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
Surrogate: n-Nonane		*90.0 %*	*61-141*	*10/13/25*	*10/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542010
Chloride	**84.7**	20.0	1	10/13/25	10/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

FS185-3'

E510115-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*120 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
Surrogate: n-Nonane		*86.1 %*	*61-141*	*10/13/25*	*10/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542010
Chloride	**99.3**	20.0	1	10/13/25	10/13/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

FS186-3'

E510115-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.9 %*	*70-130*	*10/13/25*	*10/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
Surrogate: n-Nonane		*95.8 %*	*61-141*	*10/13/25*	*10/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542010
Chloride	**132**	20.0	1	10/13/25	10/13/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

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 (2542014-BLK1)									Prepared: 10/13/25 Analyzed: 10/14/25
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	*9.75*		*8.00*		*122*	*70-130*			
LCS (2542014-BS1)									Prepared: 10/13/25 Analyzed: 10/14/25
Benzene	3.89	0.0250	5.00		77.8	70-130			
Ethylbenzene	3.98	0.0250	5.00		79.6	70-130			
Toluene	3.96	0.0250	5.00		79.1	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.08	0.0500	10.0		80.8	70-130			
Total Xylenes	12.1	0.0250	15.0		80.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.78*		*8.00*		*122*	*70-130*			
Matrix Spike (2542014-MS1)				**Source: E510116-04**					Prepared: 10/13/25 Analyzed: 10/14/25
Benzene	4.56	0.0250	5.00	ND	91.2	70-130			
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	70-130			
Toluene	4.63	0.0250	5.00	ND	92.7	70-130			
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130			
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.75*		*8.00*		*122*	*70-130*			
Matrix Spike Dup (2542014-MSD1)				**Source: E510116-04**					Prepared: 10/13/25 Analyzed: 10/14/25
Benzene	4.34	0.0250	5.00	ND	86.9	70-130	4.91	27	
Ethylbenzene	4.46	0.0250	5.00	ND	89.3	70-130	4.59	26	
Toluene	4.42	0.0250	5.00	ND	88.4	70-130	4.76	20	
o-Xylene	4.44	0.0250	5.00	ND	88.9	70-130	4.37	25	
p,m-Xylene	9.03	0.0500	10.0	ND	90.3	70-130	4.43	23	
Total Xylenes	13.5	0.0250	15.0	ND	89.8	70-130	4.41	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.89*		*8.00*		*124*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

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 (2542014-BLK1)									Prepared: 10/13/25 Analyzed: 10/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.22*		*8.00*		*103*	*70-130*			
LCS (2542014-BS2)									Prepared: 10/13/25 Analyzed: 10/14/25
Gasoline Range Organics (C6-C10)	57.3	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.51*		*8.00*		*106*	*70-130*			
Matrix Spike (2542014-MS2)				**Source: E510116-04**					Prepared: 10/13/25 Analyzed: 10/14/25
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.55*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2542014-MSD2)				**Source: E510116-04**					Prepared: 10/13/25 Analyzed: 10/14/25
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130	0.0375	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.63*		*8.00*		*108*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

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 (2542002-BLK1)									Prepared: 10/13/25 Analyzed: 10/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*40.5*		*50.0*		*80.9*	*61-141*			
LCS (2542002-BS1)									Prepared: 10/13/25 Analyzed: 10/13/25
Diesel Range Organics (C10-C28)	234	25.0	250		93.8	66-144			
Surrogate: n-Nonane	*42.9*		*50.0*		*85.7*	*61-141*			
Matrix Spike (2542002-MS1)				**Source: E510116-02**					Prepared: 10/13/25 Analyzed: 10/13/25
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	56-156			
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*61-141*			
Matrix Spike Dup (2542002-MSD1)				**Source: E510116-02**					Prepared: 10/13/25 Analyzed: 10/13/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	56-156	1.20	20	
Surrogate: n-Nonane	*43.9*		*50.0*		*87.7*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/2025 4:48:13PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542010-BLK1)									Prepared: 10/13/25 Analyzed: 10/13/25
Chloride	ND	20.0							
LCS (2542010-BS1)									Prepared: 10/13/25 Analyzed: 10/13/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2542010-MS1)				**Source: E510113-01**					Prepared: 10/13/25 Analyzed: 10/13/25
Chloride	636	20.0	250	405	92.7	80-120			
Matrix Spike Dup (2542010-MSD1)				**Source: E510113-01**					Prepared: 10/13/25 Analyzed: 10/13/25
Chloride	643	20.0	250	405	95.4	80-120	1.05	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/16/25 16:48

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E510115	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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
11:40	10/9/2025	Soil	1	FS179 - 2.5'		1									x			3.4°	
12:16	10/9/2025	Soil	1	FS181 -3'		2									X			3.6°	
11:45	10/9/2025	Soil	1	FS182 -3'		3									X			3.9°	
11:47	10/9/2025	Soil	1	FS183 - 3'		4									X			3.3°	
11:48	10/9/2025	Soil	1	FS184 - 3'		5									X			3.5°	
12:18	10/9/2025	Soil	1	FS185 - 3'		6									X			3.4°	
11:50	10/9/2025	Soil	1	FS186 - 3'		7									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, 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/10/25	7:11	Michelle Gonzales	10-10-25	0711
Michelle Gonzales	10-10-25	1430		10-10-25	1430
	10-10-25	2400	Noe Soto	10-13-25	0700

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.

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Envirotech Analytical Laboratory

Printed: 10/13/2025 12:47:58PM

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:	10/13/25 07:00	Work Order ID:	E510115
Phone:	(972) 371-5200	Date Logged In:	10/10/25 15:18	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/17/25 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

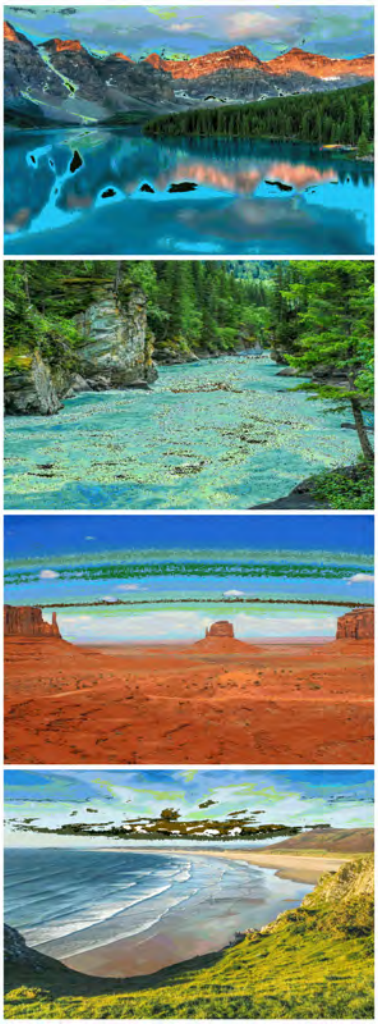
Signature of client authorizing changes to the COC or sample disposition.

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:	Desoto Springs Recycling Pond
Work Order:	E510153
Job Number:	23003-0002
Received:	10/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/21/25

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: 10/21/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E510153
Date Received: 10/15/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/15/2025 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Client Representative
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mgonzales@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS187-3'	E510153-01A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
FS188-3'	E510153-02A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
FS189-3'	E510153-03A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
FS190-3'	E510153-04A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
FS191-3'	E510153-05A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
FS192-3'	E510153-06A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SW42-0-2'	E510153-07A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SW43-0-3'	E510153-08A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SW44-0-3'	E510153-09A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

FS187-3'

E510153-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*117 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**150**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

FS188-3'

E510153-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.8 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	**104**	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	**76.5**	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*98.4 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**58.0**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

FS189-3'

E510153-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**103**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

FS190-3'

E510153-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*118 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**263**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

FS191-3'

E510153-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*118 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*98.0 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**211**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

FS192-3'

E510153-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*120 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**103**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

SW42-0-2'

E510153-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*118 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**77.3**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

SW43-0-3'

E510153-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*118 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**69.6**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

SW44-0-3'

E510153-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Benzene	ND	0.0250	1	10/15/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/17/25	
Toluene	ND	0.0250	1	10/15/25	10/17/25	
o-Xylene	ND	0.0250	1	10/15/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*10/15/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542085
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542100
Chloride	**398**	20.0	1	10/16/25	10/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

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 (2542069-BLK1)									Prepared: 10/15/25 Analyzed: 10/16/25
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	*8.91*		*8.00*		*111*	*70-130*			
LCS (2542069-BS1)									Prepared: 10/15/25 Analyzed: 10/16/25
Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.3	70-130			
Toluene	4.72	0.0250	5.00		94.5	70-130			
o-Xylene	4.71	0.0250	5.00		94.3	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.06*		*8.00*		*113*	*70-130*			
Matrix Spike (2542069-MS1)				**Source: E510152-06**					Prepared: 10/15/25 Analyzed: 10/16/25
Benzene	5.37	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.34	0.0250	5.00	ND	107	70-130			
o-Xylene	5.28	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.12*		*8.00*		*114*	*70-130*			
Matrix Spike Dup (2542069-MSD1)				**Source: E510152-06**					Prepared: 10/15/25 Analyzed: 10/16/25
Benzene	5.22	0.0250	5.00	ND	104	70-130	2.89	27	
Ethylbenzene	5.16	0.0250	5.00	ND	103	70-130	2.45	26	
Toluene	5.20	0.0250	5.00	ND	104	70-130	2.71	20	
o-Xylene	5.14	0.0250	5.00	ND	103	70-130	2.72	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	2.34	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	2.46	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.05*		*8.00*		*113*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

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 (2542069-BLK1)									Prepared: 10/15/25 Analyzed: 10/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.79*		*8.00*		*97.3*	*70-130*			
LCS (2542069-BS2)									Prepared: 10/15/25 Analyzed: 10/16/25
Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2542069-MS2)				**Source: E510152-06**					Prepared: 10/15/25 Analyzed: 10/16/25
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.13*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2542069-MSD2)				**Source: E510152-06**					Prepared: 10/15/25 Analyzed: 10/16/25
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130	0.891	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.00*		*8.00*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

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 (2542085-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*61-141*			
LCS (2542085-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.7*	*61-141*			
Matrix Spike (2542085-MS1)				**Source: E510153-02**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	338	25.0	250	104	93.6	56-156			
Surrogate: n-Nonane	*40.2*		*50.0*		*80.4*	*61-141*			
Matrix Spike Dup (2542085-MSD1)				**Source: E510153-02**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	326	25.0	250	104	88.9	56-156	3.50	20	
Surrogate: n-Nonane	*47.6*		*50.0*		*95.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:33:27AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542100-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542100-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2542100-MS1)				**Source: E510153-01**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	406	20.0	250	150	102	80-120			
Matrix Spike Dup (2542100-MSD1)				**Source: E510153-01**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	406	20.0	250	150	102	80-120	0.0705	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:33

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

envirotech Analytical Lab

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E510153	Job Number 23C03-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project Name: Desoto Springs Recycling Pond	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
11:27	10/13/2025	Soil	1	FS187 - 3'		1									x			3.6	
11:28	10/13/2025	Soil	1	FS188 -3'		2									X			3.2	
11:29	10/13/2025	Soil	1	FS189 -3'		3									X			2.6	
11:30	10/13/2025	Soil	1	FS190 - 3'		4									X			2.8	
11:31	10/13/2025	Soil	1	FS191 - 3'		5									X			2.4	
11:32	10/13/2025	Soil	1	FS192 - 3'		6									X			3.0	
12:10	10/13/2025	Soil	1	SW42 - 0-2'		7									X			2.4	
12:13	10/13/2025	Soil	1	SW43 - 0-3'		8									X			2.8	
12:17	10/13/2025	Soil	1	SW44 - 0-3'		9									X			2.5	

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/14/25	7:11	Michelle Gonzales	10-14-25	0711
Michelle Gonzales	10-14-25	1430	Marissa Gonzales	10-14-25	1430
Marissa Gonzales	10-14-25	1900	Andrew Musso	10.14.25	1900
Andrew Musso	10.14.25	2300	Cath Mar	10.15.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed 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: 10/15/2025 9:44:19AM

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:	10/15/25 08:00	Work Order ID:	E510153
Phone:	(972) 371-5200	Date Logged In:	10/14/25 16:10	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/21/25 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:	Desoto Springs Recycling Pond
Work Order:	E510166
Job Number:	23003-0002
Received:	10/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/22/25

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: 10/22/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E510166
Date Received: 10/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2025 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Client Representative
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mgonzales@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 13:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS50-20'	E510166-01A	Soil	10/13/25	10/16/25	Glass Jar, 2 oz.
FS51-20'	E510166-02A	Soil	10/13/25	10/16/25	Glass Jar, 2 oz.
FS52-20'	E510166-03A	Soil	10/13/25	10/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:23:41PM

FS50-20'

E510166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2542089
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542101
Chloride	**139**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:23:41PM

FS51-20'

E510166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2542089
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542101
Chloride	**135**	20.0	1	10/16/25	10/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:23:41PM

FS52-20'

E510166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2542089
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542101
Chloride	**148**	20.0	1	10/16/25	10/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:23:41PM

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 (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
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	*9.02*		*8.00*		*113*	*70-130*			
LCS (2542093-BS1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.23*		*8.00*		*115*	*70-130*			
Matrix Spike (2542093-MS1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.78	0.0250	5.00	ND	95.6	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.31*		*8.00*		*116*	*70-130*			
Matrix Spike Dup (2542093-MSD1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	0.703	27	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130	1.18	26	
Toluene	4.82	0.0250	5.00	ND	96.4	70-130	0.869	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130	1.06	25	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130	1.23	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	1.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.28*		*8.00*		*116*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:23:41PM

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 (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2542093-BS2)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2542093-MS2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2542093-MSD2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	1.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:23:41PM

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 (2542089-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
LCS (2542089-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
Matrix Spike (2542089-MS1)				**Source: E510156-26**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	56-156			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			
Matrix Spike Dup (2542089-MSD1)				**Source: E510156-26**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156	0.558	20	
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:23:41PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542101-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542101-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2542101-MS1)				**Source: E510154-11**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	5960	100	250	4820	459	80-120			M4
Matrix Spike Dup (2542101-MSD1)				**Source: E510154-11**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	5520	100	250	4820	282	80-120	7.73	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 13:23

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

envirotech Analytical Lab

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E510166	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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	Samle Temp	Remarks
10:42	10/13/2025	Soil	1	FS50 - 20'		1								x		4.4	
10:45	10/13/2025	Soil	1	FS51 -20'		2								X		3.1	
11:05	10/13/2025	Soil	1	FS52 -20'		3								X		4.5	

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/15/25	7:11	Michelle Gonzales	10.15.25	0711
Michelle Gonzales	10-15-25	1430	Marissa Gonzales	10-15-25	1430
Marissa Gonzales	10-15-25	1915	Andrew Musso	10.15.25	1915
Andrew Musso	10.15.25	2345		10.16.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed 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: 10/16/2025 10:19:33AM

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:	10/16/25 08:00	Work Order ID:	E510166
Phone:	(972) 371-5200	Date Logged In:	10/15/25 15:19	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/22/25 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	

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:	Desoto Springs Recycling Pond
Work Order:	E510180
Job Number:	23003-0002
Received:	10/17/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/10/25

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: 12/10/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E510180
Date Received: 10/17/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/17/2025 7:30:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/25 14:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW45-3-20'	E510180-01A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW46-3-20'	E510180-02A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW47-2-20'	E510180-03A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW48-2-20'	E510180-04A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW49-0-20'	E510180-05A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW50-0-20'	E510180-06A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW51-0-20'	E510180-07A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW52-0-20'	E510180-08A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW53-0-20'	E510180-09A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW54-0-20'	E510180-10A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW55-0-20'	E510180-11A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.
SW56-0-20'	E510180-12A	Soil	10/15/25	10/17/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW45-3-20'

E510180-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	**282**	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW46-3-20'

E510180-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW47-2-20'

E510180-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW48-2-20'

E510180-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW49-0-20'

E510180-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW50-0-20'

E510180-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW51-0-20'

E510180-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*97.7 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	**22.8**	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW52-0-20'

E510180-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	**226**	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW53-0-20'

E510180-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*99.4 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW54-0-20'

E510180-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW55-0-20'

E510180-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	ND	20.0	1	10/20/25	10/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

SW56-0-20'

E510180-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Benzene	ND	0.0250	1	10/17/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/17/25	10/21/25	
Toluene	ND	0.0250	1	10/17/25	10/21/25	
o-Xylene	ND	0.0250	1	10/17/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/17/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/17/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*10/17/25*	*10/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542131
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/25	10/17/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*10/17/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2543015
Chloride	**194**	20.0	1	10/20/25	10/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

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 (2542119-BLK1)									Prepared: 10/17/25 Analyzed: 10/20/25
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	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2542119-BS1)									Prepared: 10/17/25 Analyzed: 10/20/25
Benzene	4.50	0.0250	5.00		90.0	70-130			
Ethylbenzene	4.38	0.0250	5.00		87.5	70-130			
Toluene	4.45	0.0250	5.00		89.0	70-130			
o-Xylene	4.46	0.0250	5.00		89.2	70-130			
p,m-Xylene	8.87	0.0500	10.0		88.7	70-130			
Total Xylenes	13.3	0.0250	15.0		88.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike (2542119-MS1)				**Source: E510179-03**					Prepared: 10/17/25 Analyzed: 10/21/25
Benzene	4.55	0.0250	5.00	ND	90.9	70-130			
Ethylbenzene	4.42	0.0250	5.00	ND	88.4	70-130			
Toluene	4.49	0.0250	5.00	ND	89.8	70-130			
o-Xylene	4.47	0.0250	5.00	ND	89.4	70-130			
p,m-Xylene	8.94	0.0500	10.0	ND	89.4	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.8*	*70-130*			
Matrix Spike Dup (2542119-MSD1)				**Source: E510179-03**					Prepared: 10/17/25 Analyzed: 10/21/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	12.3	27	
Ethylbenzene	4.99	0.0250	5.00	ND	99.9	70-130	12.2	26	
Toluene	5.08	0.0250	5.00	ND	102	70-130	12.4	20	
o-Xylene	5.05	0.0250	5.00	ND	101	70-130	12.2	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	12.0	23	
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130	12.0	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.56*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

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 (2542119-BLK1)									Prepared: 10/17/25 Analyzed: 10/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.93*		*8.00*		*86.6*	*70-130*			
LCS (2542119-BS2)									Prepared: 10/17/25 Analyzed: 10/21/25
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.5*	*70-130*			
Matrix Spike (2542119-MS2)				**Source: E510179-03**					Prepared: 10/17/25 Analyzed: 10/21/25
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.99*		*8.00*		*87.4*	*70-130*			
Matrix Spike Dup (2542119-MSD2)				**Source: E510179-03**					Prepared: 10/17/25 Analyzed: 10/21/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130	11.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.10*		*8.00*		*88.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

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 (2542131-BLK1)									Prepared: 10/17/25 Analyzed: 10/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.7*		*50.0*		*99.3*	*61-141*			
LCS (2542131-BS1)									Prepared: 10/17/25 Analyzed: 10/17/25
Diesel Range Organics (C10-C28)	266	25.0	250		106	66-144			
Surrogate: n-Nonane	*48.9*		*50.0*		*97.7*	*61-141*			
Matrix Spike (2542131-MS1)				**Source: E510180-07**					Prepared: 10/17/25 Analyzed: 10/17/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*48.4*		*50.0*		*96.7*	*61-141*			
Matrix Spike Dup (2542131-MSD1)				**Source: E510180-07**					Prepared: 10/17/25 Analyzed: 10/17/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	2.87	20	
Surrogate: n-Nonane	*48.4*		*50.0*		*96.9*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/2025 2:58:30PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2543015-BLK1)									Prepared: 10/20/25 Analyzed: 10/20/25
Chloride	ND	20.0							
LCS (2543015-BS1)									Prepared: 10/20/25 Analyzed: 10/20/25
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2543015-MS1)				**Source: E510181-41**					Prepared: 10/20/25 Analyzed: 10/20/25
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2543015-MSD1)				**Source: E510181-41**					Prepared: 10/20/25 Analyzed: 10/20/25
Chloride	250	20.0	250	ND	100	80-120	0.0188	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/10/25 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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E510180	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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
12:36	10/15/2025	Soil	1	SW45 - 0-17'		1									x			3.3	
12:37	10/15/2025	Soil	1	SW46 - 0-17'		2									X			3.0	
9:51	10/15/2025	Soil	1	SW47 - 0-18'		3									X			4.6	
9:53	10/15/2025	Soil	1	SW48 - 0-18'		4									X			3.4	
9:56	10/15/2025	Soil	1	SW49 - 0-20'		5									X			4.9	
9:58	10/15/2025	Soil	1	SW50 - 0-20'		6									X			3.2	
11:15	10/15/2025	Soil	1	SW51 - 0-20'		7									X			3.1	
10:04	10/15/2025	Soil	1	SW52 - 0-20'		8									X			1.6	
10:06	10/15/2025	Soil	1	SW53 - 0-20'		9									X			3.0	
11:17	10/15/2025	Soil	1	SW54 - 0-20'		10									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

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/16/25	7:11	Michelle Gonzales	10-16-25	0711
Michelle Gonzales	10-16-25	1430	[signature]	10-16-25	1430
[signature]	10-16-25	1945	Andrew Musso	10.16.25	1945
Andrew Musso	10.16.25	2400	Cath Mar	10.17.25	730
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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E510180	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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		Samle Temp	Remarks
11:18	10/15/2025	Soil	1	SW55 - 0-20'		11									x			2.7	
12:30	10/15/2025	Soil	1	SW56 - 0-20'		12									X			2.5	

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/16/25	7:11	Michelle Gonzales	10.16.25	0711
Michelle Gonzales	10.16.25	1430		10.16.25	1430
	10.16.25	1945	Andrew Musso	10.16.25	1945
Andrew Musso	10.16.25	2400		10.17.25	730
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: 10/17/2025 9:34:07AM

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:	10/17/25 07:30	Work Order ID:	E510180
Phone:	(972) 371-5200	Date Logged In:	10/16/25 16:04	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/23/25 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.

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E510180	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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
12:36	10/15/2025	Soil	1	SW45 ~~-0.17'~~ 3-20'		1									x			3.3	
12:37	10/15/2025	Soil	1	SW46 - ~~0.17'~~ 3-20'		2									X			3.0	
9:51	10/15/2025	Soil	1	SW47 - ~~0.18'~~ 2-20'		3									X			4.6	
9:53	10/15/2025	Soil	1	SW48 - ~~0.18'~~ 2-20'		4									X			3.4	
9:56	10/15/2025	Soil	1	SW49 - 0-20'		5									X			4.9	
9:58	10/15/2025	Soil	1	SW50 - 0-20'		6									X			3.2	
11:15	10/15/2025	Soil	1	SW51 - 0-20'		7									X			3.1	
10:04	10/15/2025	Soil	1	SW52 - 0-20'		8									X			1.6	
10:06	10/15/2025	Soil	1	SW53 - 0-20'		9									X			3.0	
11:17	10/15/2025	Soil	1	SW54 - 0-20'		10									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. Corrected Sample depths per Client. 12/10/25 CM

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/16/25	7:11	Michelle Gonzales	10-16-25	0711
Michelle Gonzales	10-16-25	1430		10-16-25	1430
	10-16-25	1945	Andrew Musso	10.16.25	1945
Andrew Musso	10.16.25	2400	Caitlin Mar	10.17.25	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.

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 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# E510180	1D 2D 3D Std: x	NM CO UT TX: x
Project Name: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23C03.0002		
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	
11:18	10/15/2025	Soil	1	SW55 - 0-20'		11									x		
12:30	10/15/2025	Soil	1	SW56 - 0-20'		12									X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Temp	Remarks
2.7	
2.5	

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

Corrected Sample depths per Client 12/10/25 CM

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/16/25	7:11	Michelle Gonzales	10.16.25	0711
Michelle Gonzales	10.16.25	1430		10.16.25	1430
	10.16.25	1945	Andrew Musso	10.16.25	1945
Andrew Musso	10.16.25	2400		10.17.25	730
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.

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:	Desoto Springs Recycling Pond
Work Order:	E510378
Job Number:	23003-0002
Received:	11/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/5/25

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: 11/5/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E510378
Date Received: 11/3/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/3/2025 7:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/05/25 16:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS188-3'	E510378-01A	Soil	10/29/25	11/03/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/5/2025 4:51:38PM

FS188-3'

E510378-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2545002
Benzene	ND	0.0250	1	11/03/25	11/03/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/03/25	
Toluene	ND	0.0250	1	11/03/25	11/03/25	
o-Xylene	ND	0.0250	1	11/03/25	11/03/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/03/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*11/03/25*	*11/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2545002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*11/03/25*	*11/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2545013
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
Surrogate: n-Nonane		*92.2 %*	*61-141*	*11/03/25*	*11/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2545003
Chloride	**56.7**	20.0	1	11/03/25	11/03/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/5/2025 4:51:38PM

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 (2545002-BLK1)									Prepared: 11/03/25 Analyzed: 11/03/25
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	*7.95*		*8.00*		*99.4*	*70-130*			
LCS (2545002-BS1)									Prepared: 11/03/25 Analyzed: 11/03/25
Benzene	5.67	0.0250	5.00		113	70-130			
Ethylbenzene	5.55	0.0250	5.00		111	70-130			
Toluene	5.68	0.0250	5.00		114	70-130			
o-Xylene	5.61	0.0250	5.00		112	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	17.0	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			
Matrix Spike (2545002-MS1)				**Source: E510376-01**					Prepared: 11/03/25 Analyzed: 11/03/25
Benzene	5.14	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.04	0.0250	5.00	ND	101	70-130			
Toluene	5.15	0.0250	5.00	ND	103	70-130			
o-Xylene	5.09	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.23*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2545002-MSD1)				**Source: E510376-01**					Prepared: 11/03/25 Analyzed: 11/03/25
Benzene	4.53	0.0250	5.00	ND	90.5	70-130	12.6	27	
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	70-130	12.5	26	
Toluene	4.54	0.0250	5.00	ND	90.8	70-130	12.6	20	
o-Xylene	4.49	0.0250	5.00	ND	89.9	70-130	12.5	25	
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130	12.3	23	
Total Xylenes	13.6	0.0250	15.0	ND	90.7	70-130	12.4	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/5/2025 4:51:38PM

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 (2545002-BLK1)									Prepared: 11/03/25 Analyzed: 11/03/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.57*		*8.00*		*107*	*70-130*			
LCS (2545002-BS2)									Prepared: 11/03/25 Analyzed: 11/03/25
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.73*		*8.00*		*109*	*70-130*			
Matrix Spike (2545002-MS2)				**Source: E510376-01**					Prepared: 11/03/25 Analyzed: 11/03/25
Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.53*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2545002-MSD2)				**Source: E510376-01**					Prepared: 11/03/25 Analyzed: 11/03/25
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130	6.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.37*		*8.00*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/5/2025 4:51:38PM

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 (2545013-BLK1)									Prepared: 11/03/25 Analyzed: 11/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*61-141*			
LCS (2545013-BS1)									Prepared: 11/03/25 Analyzed: 11/03/25
Diesel Range Organics (C10-C28)	234	25.0	250		93.7	66-144			
Surrogate: n-Nonane	*45.6*		*50.0*		*91.2*	*61-141*			
Matrix Spike (2545013-MS1)				**Source: E510391-06**					Prepared: 11/03/25 Analyzed: 11/03/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.8	56-156			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*61-141*			
Matrix Spike Dup (2545013-MSD1)				**Source: E510391-06**					Prepared: 11/03/25 Analyzed: 11/03/25
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	56-156	3.67	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.3*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/5/2025 4:51:38PM

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 (2545003-BLK1)									Prepared: 11/03/25 Analyzed: 11/03/25
Chloride	ND	20.0							
LCS (2545003-BS1)									Prepared: 11/03/25 Analyzed: 11/03/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2545003-MS1)				**Source: E510376-03**					Prepared: 11/03/25 Analyzed: 11/03/25
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2545003-MSD1)				**Source: E510376-03**					Prepared: 11/03/25 Analyzed: 11/03/25
Chloride	266	20.0	250	ND	107	80-120	0.0856	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/05/25 16:51

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

envirotech Analytical Lab

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E510378	1D 2D 3D Std	NM CO UT TX
Project Name: Desoto Springs Recycling Pond	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
9:28	10/29/2025	Soil	1	FS188 - 3'		1									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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/30/25	7:11	Michelle Gonzales	10-30-25	0711
Michelle Gonzales	10-30-25	1445	Nathan Gonzales	10-30-25	1445
Nathan Gonzales	10-30-25	1907	Rilna Sellers	10/30/25	1907
Rilna Sellers	10/30/25	2338	Na Soto	11-3-25	0700
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: 11/3/2025 10:58:08AM

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:	11/03/25 07:00	Work Order ID:	E510378
Phone:	(972) 371-5200	Date Logged In:	10/30/25 15:59	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/06/25 17:00 (3 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 D

Remediation Deferral Request

ENSOLUM

March 24, 2025

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

Re: Deferral Request Report
Desoto Spring Recycling Pond
Incident Number nAPP2426952037
Lea County, New Mexico

To Whom it May Concern:

Ensolum LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request Report (DRR)* to document excavation and soil sampling activities at the Desoto Spring Recycling Pond (Site). The purpose of the Site assessment and soil sampling activities was to address impacts to soil following the release of crude oil at the Site. Based on the excavation activities and analytical results from the soil sampling events, Matador is submitting this *DRR*, describing remediation and confirmation sampling activities that have been completed and requesting deferral for final remediation of Incident Number nAPP2426952037 until the major reconstruction or the well is plugged and abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 05, Township 26 South, Range 36 East, in Lea County, New Mexico (32.07605°, -103.28241°) and is associated with oil and gas exploration and production operations on private land.

On September 25, 2024, a frack tank ruptured resulting in the release of approximately 393 barrels (bbls) of crude oil on pad and into the adjacent pasture. A vacuum truck was dispatched to the Site upon discovery of the release, and 290 bbls of crude oil were recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via the NMOCD Portal on September 25, 2024, and the release was assigned Incident Number nAPP2426952037.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP 01922 POD 1, with a depth to water measurement greater than 101 feet below ground surface (bgs); the groundwater well is located approximately 0.22 miles northwest of the Site. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well log and record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.58 miles east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is less than 1,000 feet from a freshwater well or spring, CP-00857 POD1 used for livestock water, and is not within a 100-year floodplain or overlying a subsurface mine. The Site is in a designated low potential karst zone. Potential 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 mg/kg
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

On September 25 and September 26, 2024, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Soil samples SS01 through SS12 were collected at ground surface to assess the lateral extent of the release area. On October 7, 8, and 9, 2024, eight boreholes (BH01 through BH08) were advanced via hand auger within the release extent to assess the vertical extent of impacted soil. Borehole BH01 was advanced to a depth of 3 feet bgs, boreholes BH02, BH03, and BH05 were advanced to a depth of 2 feet bgs, borehole BH04 was advanced to a depth of 4 feet bgs, borehole BH06 was advanced to a depth of 5 feet bgs, borehole BH07 was advanced to a depth of 7 feet bgs, and borehole BH08 was advanced to a depth of 8 feet bgs. All soil samples were field screened for TPH utilizing a PetroFLAG® soil analyzer system and for chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. A photographic log documenting delineation soil sampling activities is included in Appendix C.

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

EXCAVATION SOIL SAMPLING ACTIVITIES

Beginning on January 15, 2025, Ensolum personnel were onsite to oversee the excavation and removal of impacted soil at the Site. Excavation activities were performed using a hydro-vacuum, tracked excavator, backhoe, hand tools, and transport vehicles. The excavation occurred on and off-pad within the mapped release extent. To direct excavation activities, soil was screened for chloride and TPH. Ensolum personnel collected five additional borehole soil samples in areas of requested deferral via a hand auger and air rotary drill to determine the vertical extent of impacts in those areas. Borehole BH09 was advanced to a depth of 20 feet bgs, boreholes BH10 and BH11 were advanced to a depth of 13 feet bgs, borehole BH12 was advanced to a depth of 6 feet bgs, and borehole BH13 was advanced to a depth of 8 feet bgs.

The excavation depth ranged from 1-foot to 9 feet in depth. Following removal of impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the floor of the excavation and every 200 feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation floor samples (FS01 through FS168) were collected at depths ranging from 1-foot bgs to 9 feet bgs and excavation sidewall soil samples (SW01 through SW41) were collected at depths ranging from the ground surface to 8 feet bgs. The excavation extent and excavation soil sample locations are presented on Figure 3.

The Site excavation area measured approximately 32,887 square feet. A total of approximately 3,912 cubic yards of soil was removed. The soil was transported and properly disposed of at the Lea Land LLC in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS12 were all in compliance with the strictest Site Closure Criteria at ground surface. Laboratory analytical results for boreholes BH02, BH03, and BH05 indicated all COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at 2 feet bgs, 8 feet bgs in boreholes BH08 and BH13,10 feet bgs in borehole BH10, 13 feet bgs in borehole BH11, 3 feet bgs in borehole BH01, 4 feet bgs in borehole BH04, 5 feet bgs in borehole BH06, 5 feet bgs in borehole BH12, 7 feet bgs in borehole BH07, and 20 feet bgs in borehole BH09.

Laboratory analytical results for excavation floor soil samples FS01 through FS49, FS53, FS54, FS60 through FS72, FS74 through FS82, FS85 through FS103, FS105 through FS168, sidewall samples SW01 through SW31, and SW36 through SW41 indicated concentrations for all COCs were compliant with the Site Closure Criteria per NMOCD Table I. COC concentrations for TPH and chloride in excavation floor samples FS50, FS59, FS73, FS83, FS84, and sidewall soil sample SW35 exceeded the strictest Closure Criteria. Concentrations for TPH in excavation floor samples FS51, FS52, FS55 through FS58, FS104, and sidewall soil samples SW32 through SW34 were compliant with the strictest Closure Criteria but exceeded the strictest Closure Criteria for chloride concentrations. Laboratory analytical results are summarized in Tables 1, 2, and 3, and the complete laboratory analytical reports are included as Appendix D.

DEFERRAL REQUEST

Matador has removed the gross impacted soil and is requesting deferral of final remediation due to the presence of active production equipment (heater treater, pipe rack, and vapor recovery tower), which prevents the full excavation of impacted soil in confirmation sample locations FS50 through FS52, FS55 through FS59, FS73, FS83, FS84, FS104, and SW32 through SW35. The estimated area of remaining impacted soil measures approximately 4,625 square feet, based on results from boreholes BH09 through BH13, a total of approximately 1,852 cubic yards of impacted soil remains in place. The deferral area and delineation soil samples are depicted on Figure 4.

- Excavation floor samples FS50 through FS52 could not be excavated further due to the presence of storage tanks and an earthen berm to the north of the excavation area. The walls to the north could not be slopped because of the proximity of this equipment.
- Excavation floor sample FS104 could not be further excavated due to the presence of a subsurface produced water transfer line. Further excavation of this area would cause destabilization of the of this line and potential rupture resulting in a subsequent release.
- Excavation floor samples FS56 through FS59 could not be further excavated due to the presence of equipment within a lined containment area to the south and west of these areas. Further

excavation could destabilize the areas directly beneath the liner area causing a collapse of the equipment.

- Excavation floor samples FS73, FS83, and FS84 could not be further excavated to the presence of production equipment within the earthen containment area. Further excavation could destabilize surrounding equipment.

Impacted soil is limited to the area around active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally defined by delineation soil samples (SS01 through SS12) at ground surface and vertically defined by borehole samples BH09 at 20 feet bgs, BH10 and BH11 at 13 feet bgs, BH12 at 6 feet bgs, and borehole BH13 at 8 feet bgs.

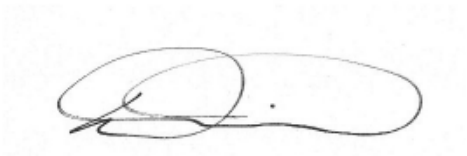
Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 101 feet bgs, the area is within a low karst potential designation, and all accessible impacted soil was removed to the Maximum Extent Practicable (MEP) during excavation activities. Matador requests deferral of final remediation for Incident Number nAPP2426952037 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,
Ensolum, LLC



Chad Hamilton
Project Geologist



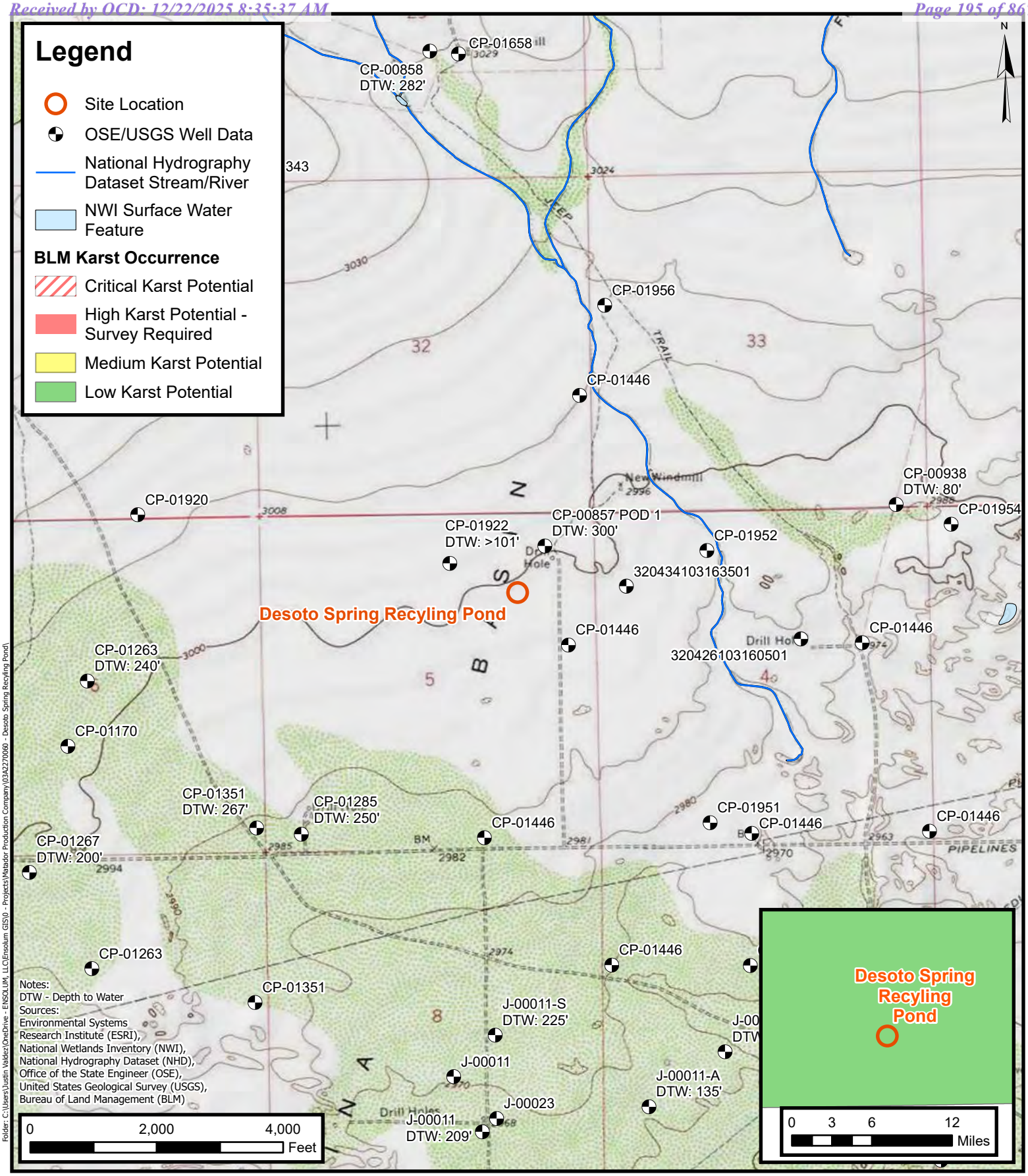
Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Confirmation Floor Soil Samples)
Table 3	Soil Sample Analytical Results (Confirmation Sidewall Soil Samples)
Appendix A	Well Log and Record
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence

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FIGURES



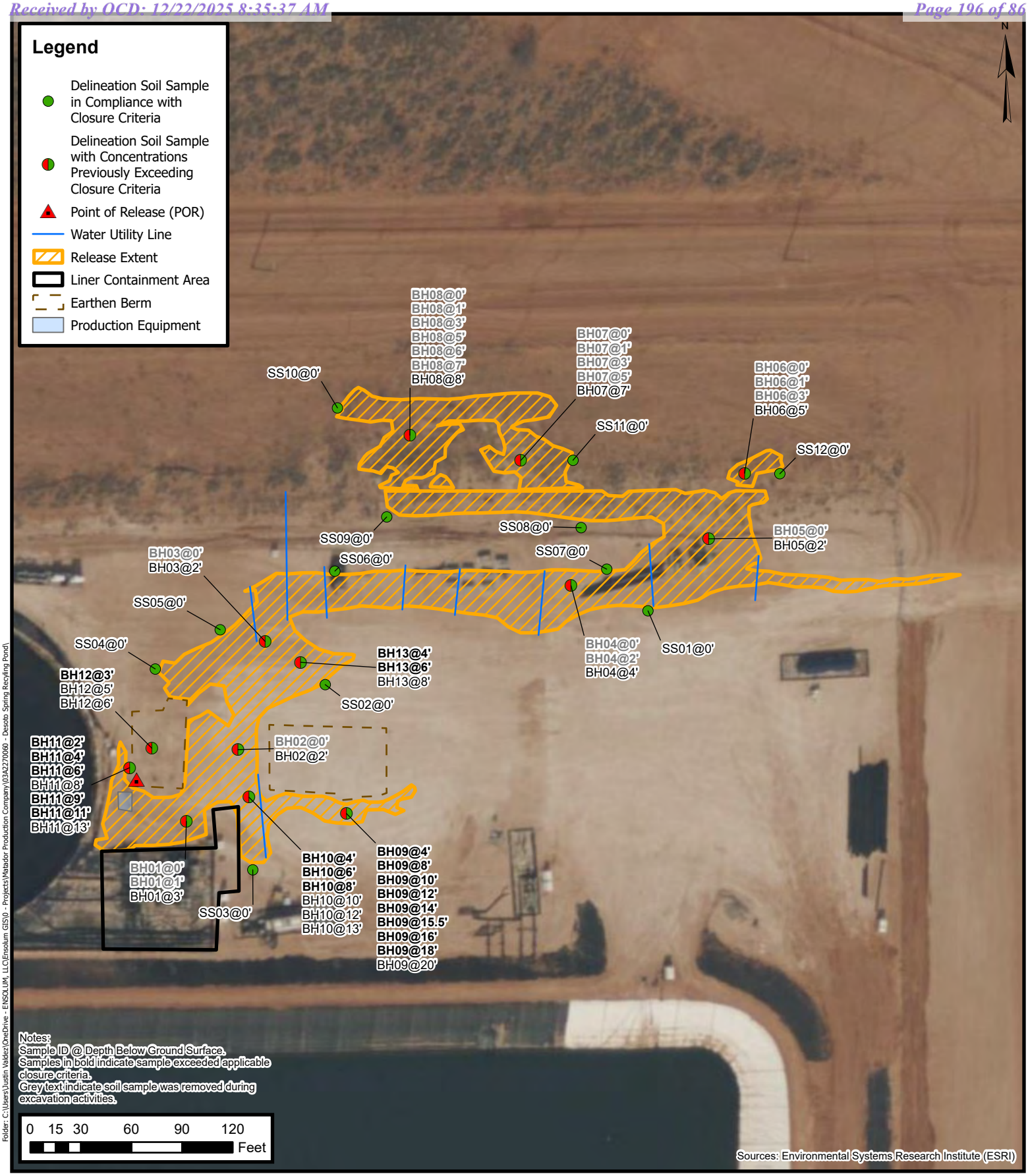
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Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Matador Production Company
Desoto Spring Recyling Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 1



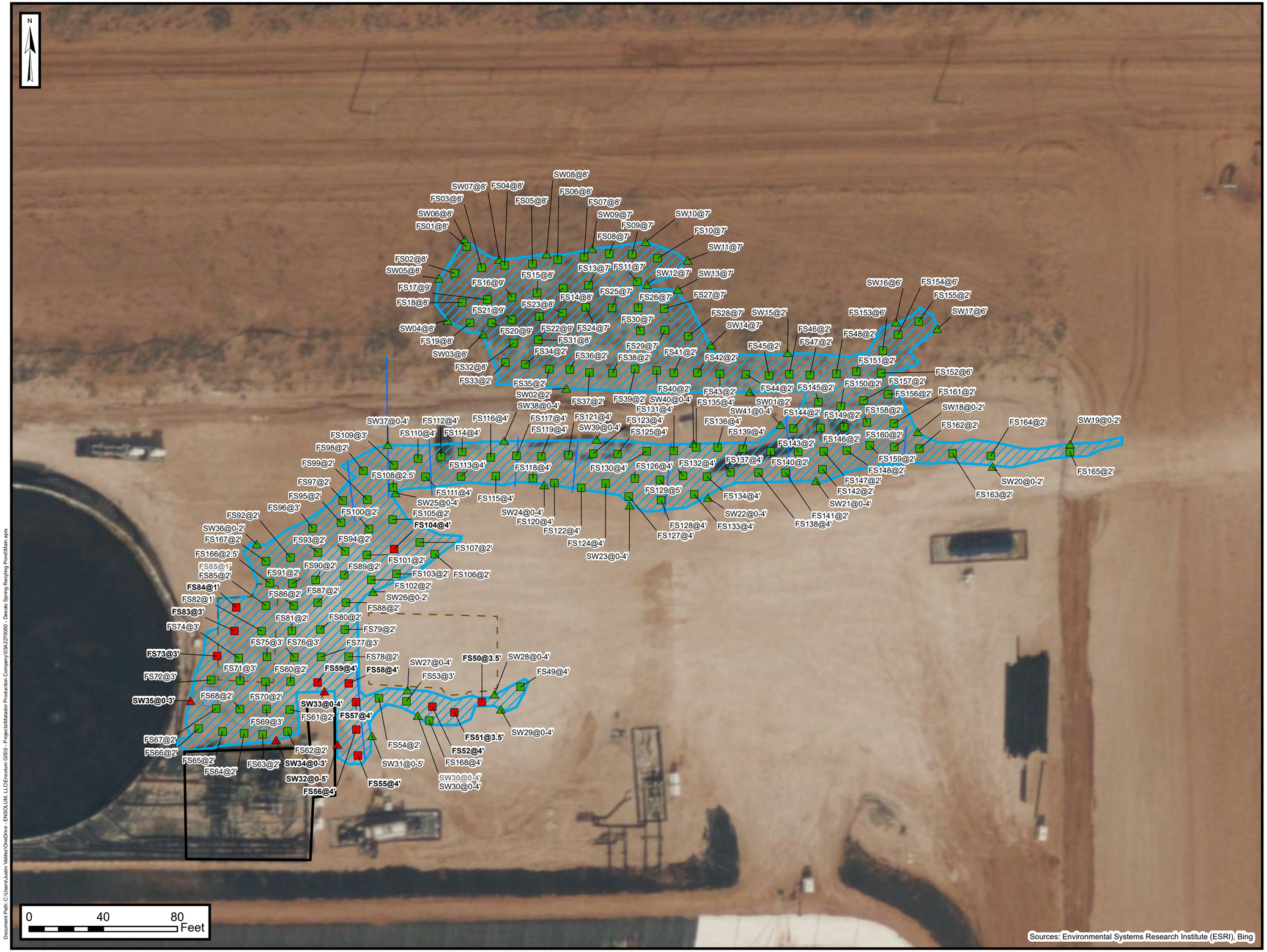
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Delineation Soil Sample Locations

Matador Production Company
Desoto Spring Recycling Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 2



Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Excavation Floor Sample with Concentrations Exceeding Closure Criteria
- Excavation Floor Sample with Concentrations Exceeding Closure Criteria
- Water Utility Line
- Liner Containment Area
- Earthen Berm
- Production Equipment
- Excavation Extent

Notes:
Sample ID @ Depth Below Ground Surface.
Samples in bold indicate sample exceeded applicable closure criteria.
Grey text indicate soil sample was removed during excavation activities.

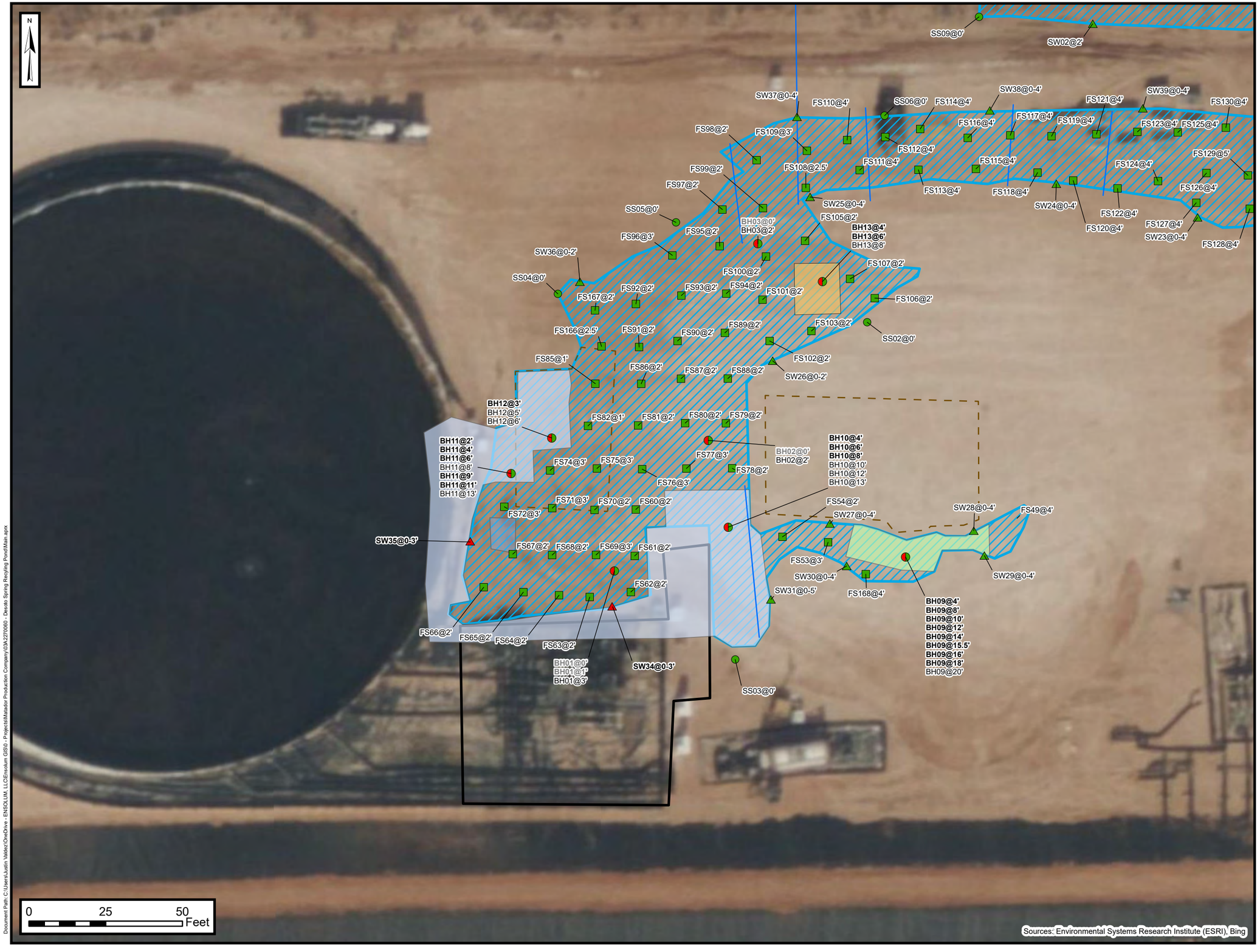
Excavation Soil Sample Locations

Matador Production Company
Desoto Spring Recycling Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 3

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Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria

Sample Location selection selection

Type:,Status:,Location:

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Excavation Floor Sample with Concentrations Previously Exceeding Closure Criteria
- Excavation Sidewall Sample with Concentrations Previously Exceeding Closure Criteria
- Excavation Floor Sample with Concentrations Exceeding Closure Criteria
- Excavation Floor Sample with Concentrations Exceeding Closure Criteria
- <all other values>
- Water Utility Line
- Deferral Area 1 - 200 sq ft / 30 cu yds
- Deferral Area 2 - 413 sq ft / 245 cu yds
- Deferral Area 3 - 3,990 sq ft / 1,577 cu yds
- Liner Containment Area
- Earthen Berm
- Production Equipment
- Excavation Extent

Total Area - 4,603 sq ft, Total Volume - 1,852 cu yds

Notes:
Sample ID @ Depth Below Ground Surface.
Samples in bold indicate sample exceeded applicable closure criteria.
Grey text indicate soil sample was removed during excavation activities.

Area of Requested Deferral
Matador Production Company
Desoto Spring Recylcing Pond
Incident Number: nAPP2426952037
Unit A, Section 05, T 26S, R 36E
Lea County, New Mexico

FIGURE 4

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
SS01	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
SS02	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	417
SS03	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	302
SS04	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.8
SS05	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	231
SS06	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.6
SS07	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	278
SS08	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.4
SS10	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS12	9/26/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.9
BH01	10/7/2024	0	1.59	12.8	105	17,200	6,300	**17,305**	**23,605**	**8,580**
BH01	10/7/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,280**
BH01	10/7/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.8
BH02	10/7/2024	0	<0.0250	<0.0500	<20.0	9,740	4,540	**9,740**	**14,280**	**10,000**
BH02	10/7/2024	2	<0.0250	<0.0500	<20.0	44.0	<50.0	44.0	44.0	155
BH03	10/7/2024	0	1.02	7.99	64.6	11,800	4,710	**11,864.6**	**16,574.6**	**9,460**
BH03	10/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.2
BH04	10/7/2024	0	0.124	0.806	<20.0	18,000	7,530	**18,000**	**25,530**	**5,650**
BH04	10/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,600**
BH04	10/7/2024	4	<0.0250	<0.0500	<20.0	25.2	<50.0	25.2	25.2	175
BH05	10/8/2024	0	<0.0250	<0.0500	<20.0	110	<50.0	110	**110**	524
BH05	10/8/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.3
BH06	10/8/2024	0	1.23	13.13	103	17,600	7,270	**17,703**	**24,973**	**2,830**
BH06	10/8/2024	1	<0.0250	<0.0500	<20.0	140	81.5	140	**222**	**2,070**
BH06	10/8/2024	3	<0.0250	<0.0500	<20.0	124	57.2	124	**181**	58.2
BH06	10/8/2024	5	<0.0250	<0.0500	<20.0	48.6	<50.0	48.6	48.6	74.7
BH07	10/8/2024	0	0.185	5.05	71.6	28,200	10,700	**28,272**	**38,972**	**5,970**
BH07	10/8/2024	1	<0.0250	<0.0500	<20.0	116	90.6	116	**206.6**	**1,620**
BH07	10/8/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,470**

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
BH07	10/8/2024	5	<0.0250	<0.0500	<20.0	29.4	<50.0	29.4	29.4	**3,080**
BH07	10/8/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	323
BH08	10/8/2024	0	0.24	25.923	209	27,600	9,840	**27,809**	**37,649**	**1,640**
BH08	10/8/2024	1	<0.0250	<0.0500	<20.0	207	128	207	**335**	**1,590**
BH08	10/8/2024	3	<0.0250	<0.0500	<20.0	112	60.1	112	**172.1**	**1,810**
BH08	10/8/2024	5	0.0333	2.3753	26.2	5,370	2,150	**5,396**	**7,546**	**1,590**
BH08	10/9/2024	6	<0.0250	<0.0500	<20.0	34.7	<50.0	34.7	34.7	31.7
BH08	10/9/2024	7	<0.0250	<0.0500	<20.0	43.9	<50.0	43.9	43.9	73.4
BH08	10/9/2024	8	<0.0250	<0.0500	<20.0	58.6	<50.0	58.6	58.6	77.1
BH09	2/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,350**
BH09	2/14/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,610**
BH09	2/14/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**4,390**
BH09	2/14/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**5730**
BH09	2/20/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,590**
BH09	2/20/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,860**
BH09	2/20/2025	15.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,570**
BH09	3/17/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,510**
BH09	3/17/2025	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,560**
BH09	3/17/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	356
BH10	2/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**865**
BH10	2/14/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,440**
BH10	2/14/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,030**
BH10	2/14/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	515
BH10	2/20/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	548
BH10	2/20/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	285
BH11	2/20/2025	2	<0.0250	<0.0500	<20.0	65.6	56.8	65.6	**122**	**2,070**
BH11	2/20/2025	4	<0.0250	<0.0500	<20.0	277	240	277	**517**	**1,650**
BH11	2/20/2025	6	<0.0250	<0.0500	<20.0	142	70.8	142	**212.8**	253
BH11	2/20/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	593
BH11	2/20/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**620**
BH11	2/21/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**946**
BH11	2/21/2025	13	<0.0250	<0.0500	<20.0	25.5	<50.0	25.5	25.5	224

ENSOLUM

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Delineation Soil Samples										
BH12	2/20/2025	3	<0.0250	<0.0500	<20.0	4,460	2,190	**4,460**	**6,650**	460
BH12	2/20/2025	5	<0.0250	<0.0500	<20.0	78.7	<50.0	78.7	78.7	109
BH12	2/20/2025	6	<0.0250	<0.0500	<20.0	28.8	<50.0	28.8	28.8	146
BH13	2/21/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,100**
BH13	2/21/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,830**
BH13	2/21/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	185

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

ENSOLUM

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS01	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.9
FS02	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.0
FS03	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.7
FS04	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.5
FS05	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.9
FS06	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.2
FS07	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.4
FS08	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.9
FS09	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.2
FS10	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.3
FS11	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.2
FS12	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS13	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102
FS14	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.6
FS15	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.1
FS16	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.5
FS17	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.5
FS18	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.2
FS19	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.9
FS20	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.3
FS21	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.6
FS22	1/27/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.6
FS23	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS24	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.6
FS25	1/24/2025	7	<0.0250	<0.0500	<20.0	27.6	<50.0	27.6	27.6	89.2
FS26	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112
FS27	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
FS28	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.4
FS29	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
FS30	1/27/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.8

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS31	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.7
FS32	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	116
FS33	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS34	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS35	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.6
FS36	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.1
FS37	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.0
FS38	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.8
FS39	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.9
FS41	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.3
FS42	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.3
FS43	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.1
FS44	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.5
FS45	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.0
FS46	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.7
FS47	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS48	1/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS49	2/14/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329
FS50	3/13/2025	3.5	<0.0250	<0.0500	<20.0	101	<50.0	101	**101**	**1,230**
FS51	3/13/2025	3.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,200**
FS52	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,650**
FS53	2/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	354
FS54	1/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
FS55	3/13/2025	4	<0.0250	<0.0500	<20.0	30.4	<50.0	30.4	30.4	**2,330**
FS56	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,680**
FS57	3/13/2025	4	<0.0250	<0.0500	<20.0	40.8	<50.0	40.8	40.8	**827**
FS58	3/13/2025	4	<0.0250	<0.0500	<20.0	75.0	<50.0	75.0	75.0	**911**
FS59	3/13/2025	4	<0.0250	<0.0500	<20.0	184	62.6	184	**247**	**1,060**
FS60	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	344

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS61	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.8
FS62	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.7
FS63	2/3/2025	2	<0.0250	<0.0500	<20.0	33.7	<50.0	33.7	33.7	103
FS64	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	122
FS65	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.4
FS66	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	370
FS67	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.9
FS68	2/3/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
FS69	2/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.8
FS70	2/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	154
FS71	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	435
FS72	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	233
FS73	3/13/2025	3	<0.0250	<0.0500	<20.0	228	110	228	**338**	**1,690**
FS74	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.4
FS75	2/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	415
FS76	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	353
FS77	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	213
FS78	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.5
FS79	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
FS80	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
FS81	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS82	2/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS83	3/13/2025	3	<0.0250	0.106	<20.0	486	216	486	**702**	**1,280**
FS84	3/13/2025	1	<0.0250	0.0500	<20.0	244	121	244	**365**	**1,210**
FS85	2/5/2025	1	<0.0250	<0.0500	<20.0	425	263	425	**688**	431
FS85	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
FS86	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
FS87	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS88	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.5
FS89	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.5

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS90	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.3
FS91	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	529
FS92	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	483
FS93	2/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	298
FS94	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	319
FS95	2/13/2025	2	<0.0250	<0.0500	<20.0	33.1	<50.0	33.1	33.1	181
FS96	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	487
FS97	2/11/2025	2	<0.0250	<0.0500	<20.0	30.1	<50.0	<25.0	30.1	412
FS98	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	300
FS98	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	350
FS99	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281
FS100	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	448
FS101	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
FS102	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	179
FS103	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	418
FS104	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,550**
FS105	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	404
FS106	2/11/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	308
FS107	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	327
FS108	2/13/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	145
FS109	2/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	275
FS110	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
FS111	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	248
FS112	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
FS113	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	60.5
FS114	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
FS115	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.8
FS116	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS117	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
FS118	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	91.9

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Soil Samples										
FS119	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.7
FS120	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.7
FS121	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	190
FS122	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.3
FS123	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
FS124	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	154
FS125	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	114
FS126	2/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329
FS127	2/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	364
FS128	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	162
FS129	2/14/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.4
FS130	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.9
FS131	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.4
FS132	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	353
FS133	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	301
FS134	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	198
FS135	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	262
FS136	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.8
FS137	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.6
FS138	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
FS139	2/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	109
FS140	2/12/2025	2	<0.0250	<0.0500	<20.0	44.1	<50.0	44.1	44.1	274
FS141	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.0
FS142	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
FS143	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	198
FS144	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.6
FS145	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
FS146	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86.2
FS147	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	289
FS148	2/12/2025	2	<0.0250	<0.0500	<20.0	45.6	<50.0	<25.0	45.6	193

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS149	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.8
FS150	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS151	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.5
FS152	2/12/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS153	2/12/2025	6	<0.0250	<0.0500	<20.0	81.7	<50.0	<25.0	81.7	142
FS154	2/12/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS155	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.2
FS156	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176
FS157	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
FS158	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	240
FS159	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.1
FS160	2/12/2025	2	<0.0250	<0.0500	<20.0	45.5	<50.0	<25.0	45.5	99.0
FS161	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	581
FS162	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.3
FS163	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	208
FS164	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	305
FS165	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.7
FS166	2/14/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	183
FS167	2/14/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.7
FS168	3/13/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	450

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
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Sidewall Soil Samples										
SW01	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.1
SW02	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.1
SW03	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
SW04	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.5
SW05	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW07	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.2
SW08	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW09	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW10	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW11	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW12	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW13	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW14	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.2
SW15	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.8
SW16	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.0
SW17	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.5
SW18	2/12/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	158
SW19	2/12/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
SW20	2/12/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
SW21	2/12/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.2
SW22	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266
SW23	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281
SW24	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW25	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.5
SW26	2/19/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	373
SW27	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	250
SW28	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	515
SW29	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	455
SW30	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,170**
SW30A	3/13/2025	0-4	<0.0250	<0.0500	<20.0	59.8	<50.0	59.8	59.8	383

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TABLE 3 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Desoto Spring Recycling Pond
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
Sidewall Soil Samples										
SW31	2/19/2025	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	330
SW32	2/19/2025	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,000**
SW33	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**767**
SW34	2/19/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,550**
SW35	2/19/2025	0-3	<0.0250	<0.0500	<20.0	1,840	1,520	**1,840**	**3,360**	**4,180**
SW36	2/19/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	73.9	<25.0	73.9	<20.0
SW37	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.5
SW38	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW39	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW40	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW41	2/19/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	176

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

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	CP 01922 POD1	SW	NW	NE	05	26S	36E	661786.2	3550296.4	

*** UTM location was derived from PLSS - see Help**

Driller License:	1249	**Driller Company:**	ATKINS ENGINEERING ASSOC. INC.		
Driller Name:	JACKIE D ATKINS				
Drill Start Date:	2022-09-21	**Drill Finish Date:**	2022-09-21	**Plug Date:**	2022-09-26
Log File Date:	2022-09-30	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	101	**Depth Water:**	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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ENSOLUM

APPENDIX B

Lithologic Soil Sampling Logs

ENSOLUM

Sample Name: BH01	Date: 10/07/24	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.075930, -103.282452	Hole Diameter: 4"	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3427		Y	BH01	0	0	CCHE	Dry, Staining, Caliche, Non Plastic, Non Pliable
	1848		N	BH01	1	1		
	459	58		BH01	2	2	SP-SM	Dry, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	ND	27		BH01	3	3		

Total Depth at 3 feet bgs.

ENSOLUM

Sample Name: BH02	Date: 10/07/24	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.076046, -103.282351	Hole Diameter: 4"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3427		Y	BH02	0	0	CCHE	Dry, Staining, Caliche, Non Plastic, Non Pliable
	235	24	N	BH02	1	1	SP-SM	Dry, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	235	89		BH02	2	2		

Total Depth at 2 feet bgs.

ENSOLUM

	Sample Name: BH03	Date: 10/07/24
	Site Name: Desoto Springs Recycling Pond	
	Incident Number: nAPP2426952037	
	Job Number: 03A2270060	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.076221, -103.282296	Hole Diameter: 4"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3427		Y	BH03	0	0	CCHE	Dry, Staining, Caliche, Non Plastic, Non Pliable
	ND	18	N	BH03	1	1	SP-SM	Dry, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	ND	28		BH03	2	2		

Total Depth at 2 feet bgs.

ENSOLUM

Sample Name: BH04	Date: 10/07/24	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.076304, -103.281709	Hole Diameter: 4"	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3427		Y	BH04	0	0	CCHE	Dry, Staining, Caliche, Non Plastic, Non Pliable
	>3427		N	BH04	1	1	SP-SM	Dry, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	>3427			BH04	2	2		
	313	268		BH04	3	3		
	234	57		BH04	4	4		

Total Depth at 4 feet bgs.

ENSOLUM

	Sample Name: BH05	Date: 10/08/24
	Site Name: Desoto Springs Recycling Pond	
	Incident Number: nAPP2426952037	
	Job Number: 03A2270060	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.076377, -103.281444	Hole Diameter: 4"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH05	0	0	CCHE	Dry, Staining, Caliche, Non Plastic, Non Pliable
	408	72	N	BH05	1	1	SP-SM	Dry, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	ND	25		BH05	2	2		

Total Depth at 2 feet bgs.

ENSOLUM

Sample Name: BH06	Date: 10/08/24	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.076483, -103.281373	Hole Diameter: 4"	Total Depth: 5'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH06	0	0		Moist, Stained, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	2973		N	BH06	1	1		
	201	127		BH06	2	2	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	ND	182		BH06	3	3		
	ND	71		BH06	4	4		
	ND	82		BH06	5	5		

Total Depth at 5 feet bgs.

ENSOLUM

Sample Name: BH07	Date: 10/08/24	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons	Method: Hand Auger
Coordinates: 32.076509, -103.281802	Hole Diameter: 4"	Total Depth: 7'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH07	0	0		Moist, Stained, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	2262		N	BH07	1	1		
	2262			BH07	2	2		
	3427			BH07	3	3		
	>3427			BH07	4	4	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	2973			BH07	5	5		
	235	80		BH07	6	6		
	408	61		BH07	7	7		Moist, No Staining, Poorly graded brown/red sand with calcite gravel, Non Plastic, Non Pliable

Total Depth at 7 feet bgs.

ENSOLUM

Sample Name: BH08	Date: 10/09/24
Site Name: Desoto Springs Recycling Pond	
Incident Number: nAPP2426952037	
Job Number: 03A2270060	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Bowan Simmons / Method: Hand Auger
Coordinates: 32.076553, -103.282013	Hole Diameter: 4" / Total Depth: 8'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag 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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH08	0	0		Moist, Stained, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	2262		N	BH08	1	1		
	2116			BH08	2	2		
	2262			BH08	3	3		
	2116			BH08	4	4	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	1848			BH08	5	5		
	ND	124		BH08	6	6		
	ND	90		BH08	7	7		
	ND	44		BH08	8	8		Moist, No Staining, Poorly graded brown/red sand with calcite gravel, Non Plastic, Non Pliable

Total Depth at 8 feet bgs.

ENSOLUM

Sample Name: BH09	2/14/2025	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Israel Estrella	Method:Hand Auger/Air Rotar
Coordinates: 32.075944, -103.282148	Hole Diameter: 3"	Total Depth: 25'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH09	0	0	CCHE	Dry, light stain, pad caliche, non pliable
				BH09	1	1		
				BH09	2	2		
				BH09	3	3		
	1478			BH09	4	4		
	1713			BH09	5	5		
M	2469		N	BH09	6	6	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	3589			BH09	7	7		
	3589			BH09	8	8		
	1443			BH09	9	9		
	1445			BH09	10	10		
	937			BH09	11	11		
	939			BH09	12	12		

ENSOLUM

Sample Name: BH09	2/14/2025	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Israel Estrella	Method:Hand Auger/Air Rotar
Coordinates: 32.075944, -103.282148	Hole Diameter: 3"	Total Depth: 25'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
	941			BH09	13	13		
	1,053			BH09	14	14		
	1,058			BH09	15	15		
M	1,355			BH09	16	16	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	1,966			BH09	17	17		
	1,966			BH09	18	18		
	1,075		N	BH09	19	19		
	464			BH09	20	20		
	700			BH09	21	21		
D	464			BH09	22	22	SW-SM	Dry, clayey sand, well graded, with trace amounts of gravel (<5%) low plasticity, noncohesive, no staining or odor, light reddish brown.
	319			BH09	23	23		
				BH09	24	24		
				BH09	25	25		

ENSOLUM

Sample Name: BH10	2/14/2025	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.075961, -103.282324	Hole Diameter: 3"	Total Depth: 13'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH10	0	0	CCHE	Dry, light stain, pad caliche, non pliable
					1	1		
					2	2		
					3	3		
	840				4	4		
	840				5	5		
	2654				6	6		
M	2133		N		7	7	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	1478				8	8		
	918				9	9		
	638				10	10		
	2133				11	11		
	700				12	12		
	274	5			13	13		

Total Depth at 13 feet bgs.

ENSOLUM

Sample Name: BH11	2/20/2025	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.076059, -103.282617	Hole Diameter: 3"	Total Depth: 13'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y		0	0	CCHE	Dry, light stain, pad caliche, non pliable
					1	1		
	2469				2	2		
	1842				3	3		
	1982				4	4		
	1590				5	5		
	319	123		BH11	6	6		
M	414	123	N		7	7	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	767				8	8		
	638				9	9		
	2296				10	10		
	1170				11	11		
	576				12	12		
	274	6			13	13		

Total Depth at 13 feet bgs.

ENSOLUM

Sample Name: BH12	2/20/2025	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.076079, -103.282572	Hole Diameter: 3"	Total Depth: 6'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y		0	0	CCHE	Dry, light stain, pad caliche, non pliable
M	515		N	BH12	1	1	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	274				2	2		
	162				3	3		
	201	6			4	4		
					5	5		
					6	6		

Total Depth at 6 feet bgs.

ENSOLUM

Sample Name: BH13	Date: 2/21/25	
Site Name: Desoto Springs Recycling Pond		
Incident Number: nAPP2426952037		
Job Number: 03A2270060		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.076205, -103.282234	Hole Diameter: 3"	Total Depth: 8'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y		0	0	CCHE	Dry, light stain, pad caliche, non pliable.
M	2469		N	BH13	1	1	SP-SM	Moist, No Staining, Poorly graded brown/red sand with silt, Non Plastic, Non Pliable
	1842				2	2		
	1842				3	3		
	840				4	4		
	235	7			5	5		
					6	6		
					7	7		
					8	8		

Total Depth at 8 feet bgs.

ENSOLUM

APPENDIX C

Photographic Log

ENSOLUM

Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 1 Date: 9/25/2024
Description: Point of Release
View: Northwest



Photograph 2 Date: 9/25/2024
Description: Release Area
View: North



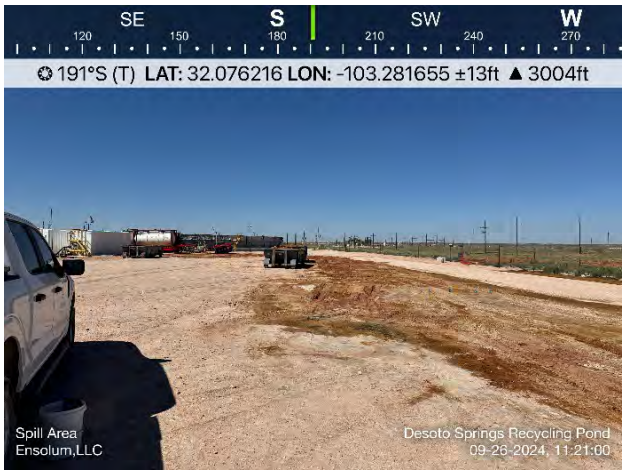
Photograph 3 Date: 9/25/2024
Description: Release Area
View: Northwest



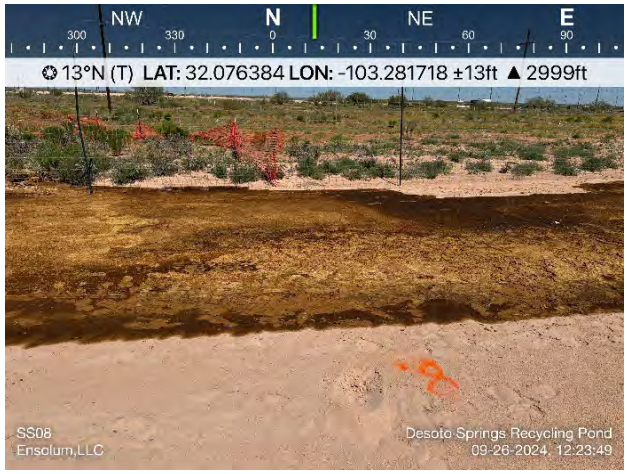
Photograph 4 Date: 9/25/2024
Description: Off-Pad Release Area
View: East

ENSOLUM

Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



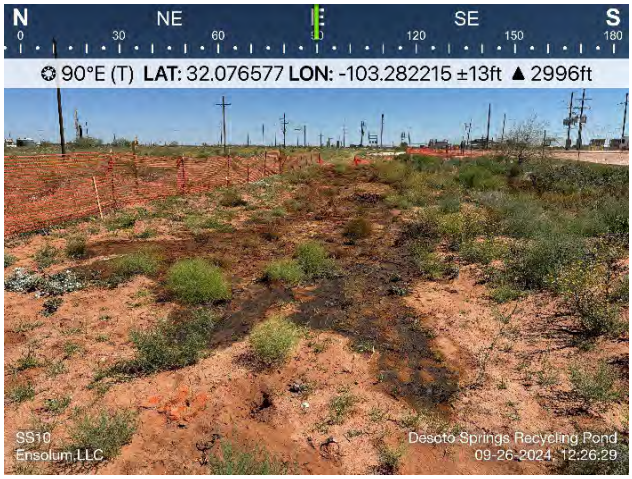
Photograph 5 Date: 9/26/2024
Description: Release Area
View: Northwest



Photograph 6 Date: 9/26/2024
Description: Lateral Delineation Sampling (SS08)
View: North



Photograph 7 Date: 9/26/2024
Description: Lateral Delineation (SS05)
View: South



Photograph 8 Date: 9/26/2024
Description: Lateral Delineation (SS10)
View: East

ENSOLUM

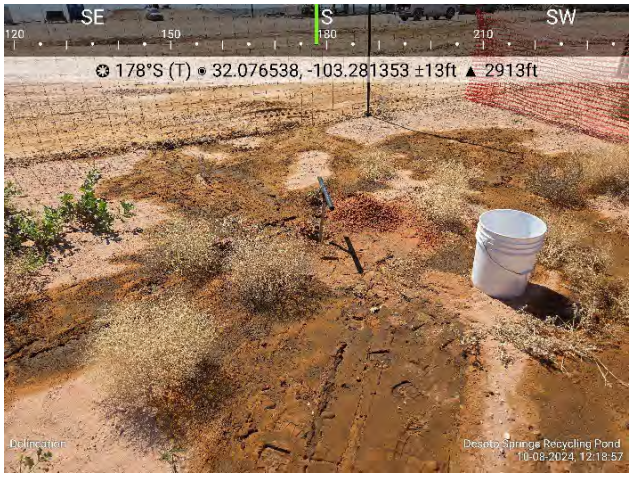
Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 9 Date: 10/08/2024
Description: Vertical Delineation Sampling
View: Northwest



Photograph 10 Date: 10/08/2024
Description: Vertical Delineation Sampling
View: North



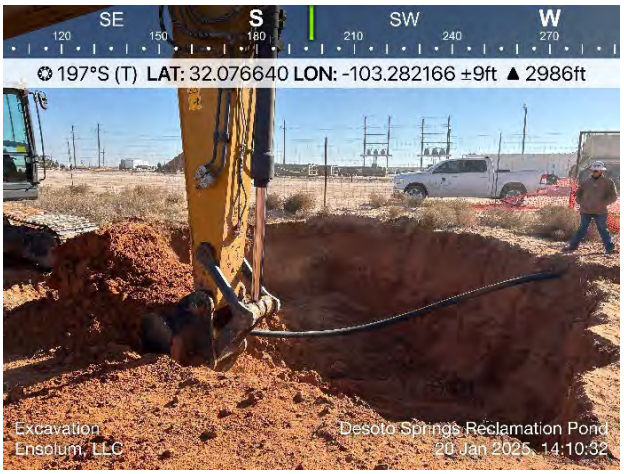
Photograph 11 Date: 10/08/2024
Description: Vertical Delineation Sampling
View: South



Photograph 12 Date: 1/16/2025
Description: Excavation
View: Southeast

ENSOLUM

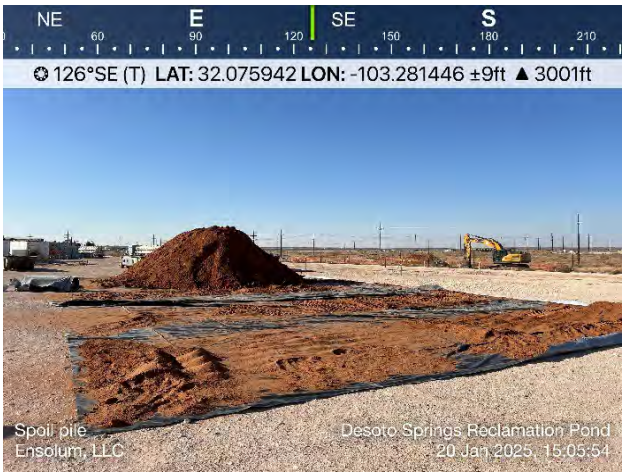
Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



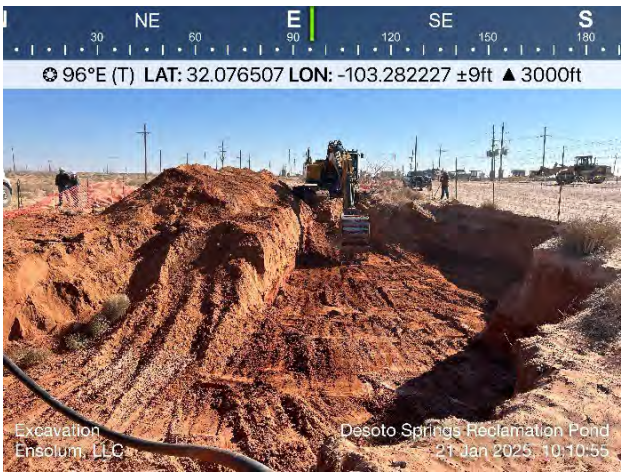
Photograph 13 Date: 1/20/2025
Description: Excavation
View: South



Photograph 14 Date: 1/20/2025
Description: Excavation
View: South



Photograph 15 Date: 1/20/2025
Description: Spoil pile
View: Southeast



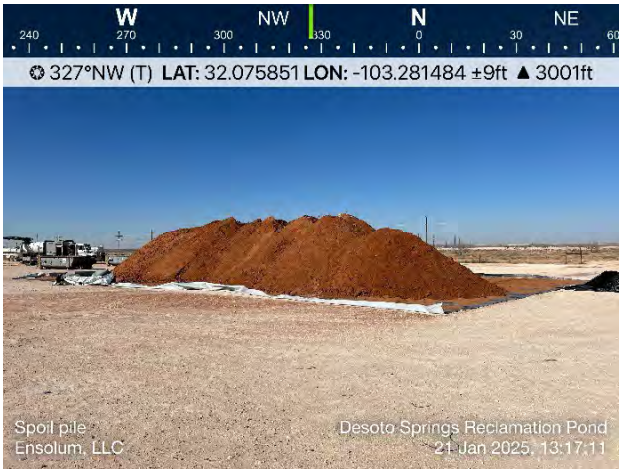
Photograph 16 Date: 1/21/2025
Description: Excavation
View: East

ENSOLUM

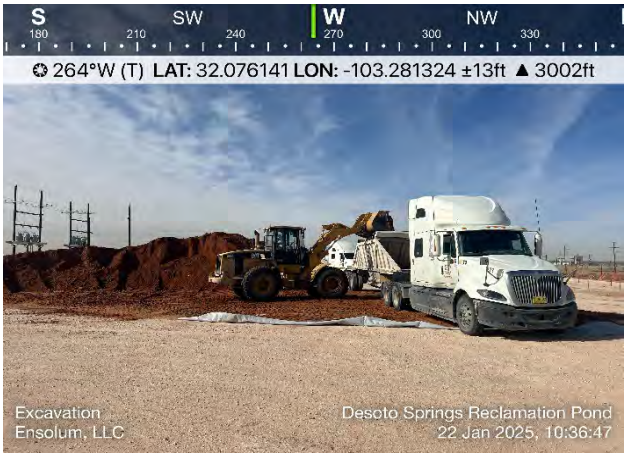
Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



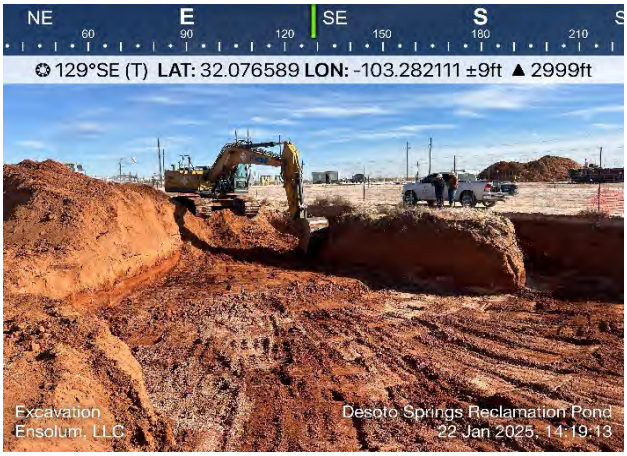
Photograph 17 Date: 1/21/2025
Description: Excavation
View: East



Photograph 18 Date: 1/21/2025
Description: Spoil pile
View: Northwest



Photograph 19 Date: 1/22/2025
Description: Excavation
View: West



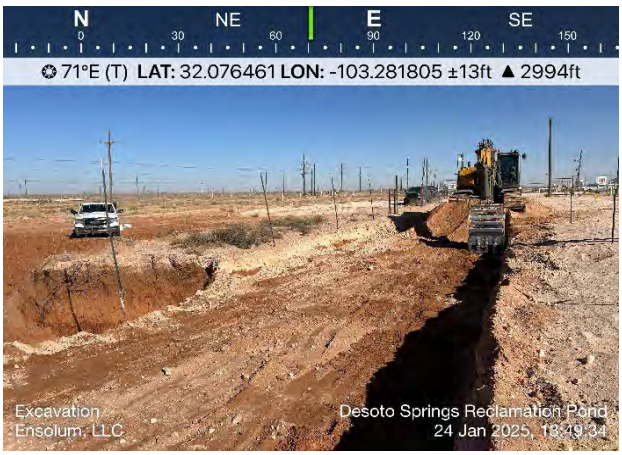
Photograph 20 Date: 1/22/2025
Description: Excavation
View: Southeast

ENSOLUM

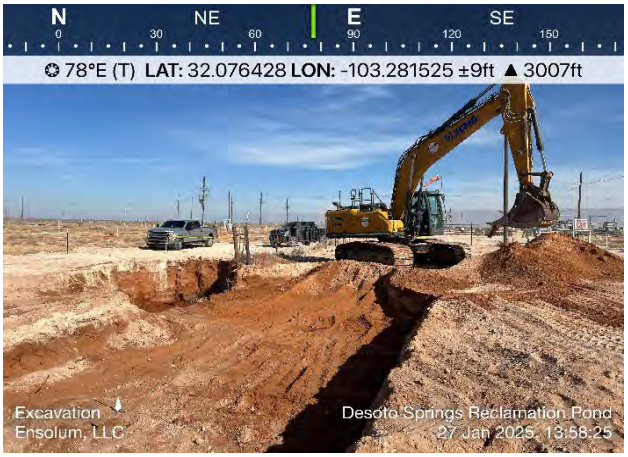
Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 21 Date: 1/23/2025
Description: Excavation
View: Northwest



Photograph 22 Date: 1/24/2025
Description: Excavation
View: East



Photograph 23 Date: 1/27/2025
Description: Excavation
View: East



Photograph 24 Date: 1/28/2025
Description: Excavation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 25 Date: 1/29/2025
Description: Excavation
View: West



Photograph 26 Date: 1/30/2025
Description: Excavation
View: Northwest



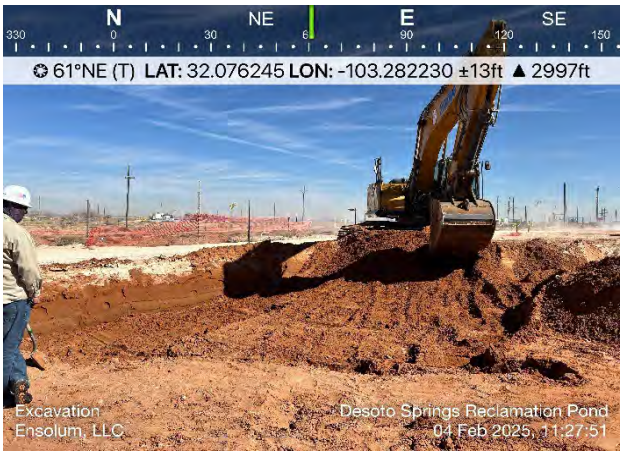
Photograph 27 Date: 1/31/2025
Description: Excavation
View: Northwest



Photograph 28 Date: 2/3/2025
Description: Excavation
View: Southwest

ENSOLUM

Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 29 Date: 2/4/2025
Description: Excavation
View: Northeast



Photograph 30 Date: 2/10/2025
Description: Excavation
View: East



Photograph 31 Date: 2/11/2025
Description: Excavation
View: West



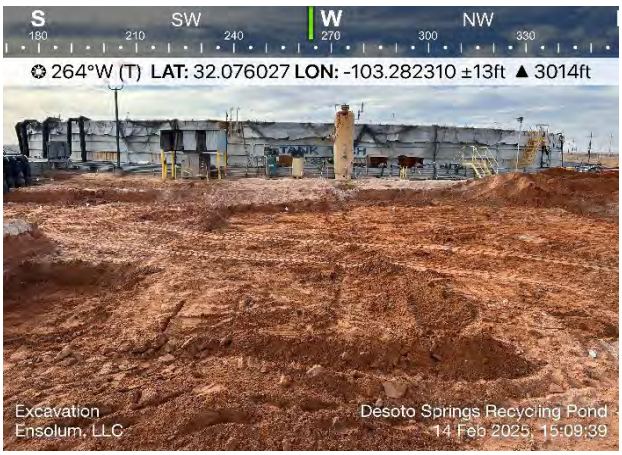
Photograph 32 Date: 2/12/2025
Description: Excavation
View: East

ENSOLUM

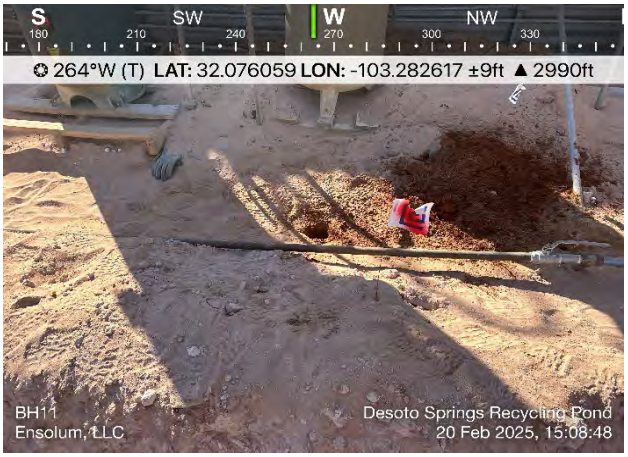
Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



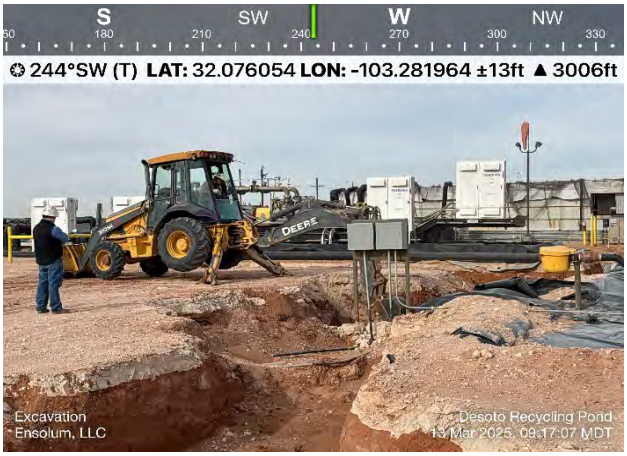
Photograph 33 Date: 2/13/2025
Description: Excavation
View: Southeast



Photograph 34 Date: 2/14/2025
Description: Excavation
View: West



Photograph 35 Date: 2/20/2025
Description: Delineation
View: West



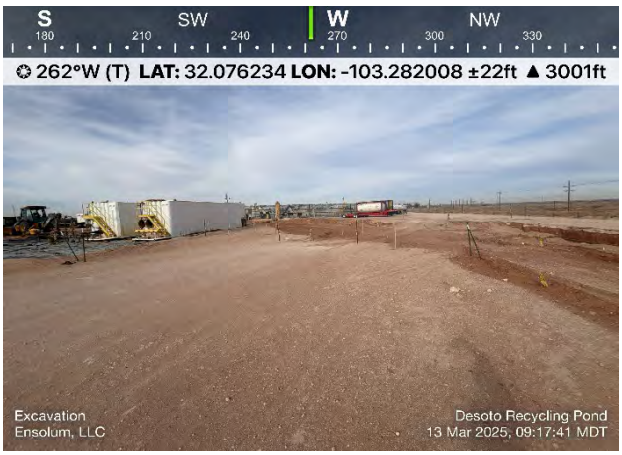
Photograph 36 Date: 3/13/2025
Description: Excavation
View: East

ENSOLUM

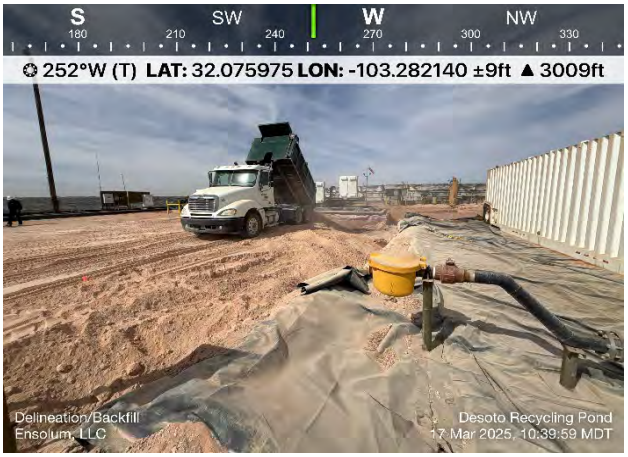
Photographic Log
Matador Production Company
Desoto Spring Reclycling Pond
nAPP2426952037



Photograph 37 Date: 3/13/2025
Description: Excavation
View: Northeast



Photograph 38 Date: 3/13/2025
Description: Excavation
View: West



Photograph 39 Date: 3/17/2025
Description: Backfill
View: West



Photograph 40 Date: 3/17/2025
Description: Delineation
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:	Desoto Springs Recycling Pond
Work Order:	E409272
Job Number:	23003-0002
Received:	9/30/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/24

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

Date Reported: 10/4/24

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

Project Name: Desoto Springs Recycling Pond
Workorder: E409272
Date Received: 9/30/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2024 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/04/24 10:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E409272-01A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS02-0'	E409272-02A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS03-0'	E409272-03A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS04-0'	E409272-04A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS05-0'	E409272-05A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS06-0'	E409272-06A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS07-0'	E409272-07A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS08-0'	E409272-08A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS09-0'	E409272-09A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS10-0'	E409272-10A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS11-0'	E409272-11A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.
SS12-0'	E409272-12A	Soil	09/26/24	09/30/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS01-0'

E409272-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.1 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.1 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**103**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS02-0'

E409272-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*97.7 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**417**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS03-0'

E409272-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**302**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS04-0'

E409272-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**65.8**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS05-0'

E409272-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**231**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS06-0'

E409272-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*99.5 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**31.6**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS07-0'

E409272-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**278**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS08-0'

E409272-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.7 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.7 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	ND	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS09-0'

E409272-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*99.0 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**56.4**	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS10-0'

E409272-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	ND	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS11-0'

E409272-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	ND	20.0	1	09/30/24	10/01/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

SS12-0'

E409272-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		*113 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*09/30/24*	*10/02/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*09/30/24*	*10/02/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*09/30/24*	*10/03/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2440020
Chloride	**45.9**	20.0	1	09/30/24	10/01/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

Volatile Organic Compounds by EPA 8260B

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 (2440017-BLK1)									Prepared: 09/30/24 Analyzed: 10/02/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.590*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.2*	*70-130*			
Surrogate: Toluene-d8	*0.548*		*0.500*		*110*	*70-130*			
LCS (2440017-BS1)									Prepared: 09/30/24 Analyzed: 10/02/24
Benzene	2.41	0.0250	2.50		96.2	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.3	70-130			
Toluene	2.47	0.0250	2.50		98.8	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.73	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	*0.598*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
Matrix Spike (2440017-MS1)				**Source: E409272-03**					Prepared: 09/30/24 Analyzed: 10/02/24
Benzene	2.49	0.0250	2.50	ND	99.7	48-131			
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.61	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.79	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	*0.586*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2440017-MSD1)				**Source: E409272-03**					Prepared: 09/30/24 Analyzed: 10/02/24
Benzene	2.45	0.0250	2.50	ND	97.8	48-131	1.84	23	
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135	0.380	27	
Toluene	2.55	0.0250	2.50	ND	102	48-130	1.06	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	1.56	27	
p,m-Xylene	5.13	0.0500	5.00	ND	103	43-135	0.961	27	
Total Xylenes	7.70	0.0250	7.50	ND	103	43-135	1.16	27	
Surrogate: Bromofluorobenzene	*0.582*		*0.500*		*116*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

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 (2440017-BLK1)									Prepared: 09/30/24 Analyzed: 10/02/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.590*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.2*	*70-130*			
Surrogate: Toluene-d8	*0.548*		*0.500*		*110*	*70-130*			
LCS (2440017-BS2)									Prepared: 09/30/24 Analyzed: 10/02/24
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	*0.585*		*0.500*		*117*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.460*		*0.500*		*92.0*	*70-130*			
Surrogate: Toluene-d8	*0.566*		*0.500*		*113*	*70-130*			
Matrix Spike (2440017-MS2)				**Source: E409272-03**					Prepared: 09/30/24 Analyzed: 10/02/24
Gasoline Range Organics (C6-C10)	60.3	20.0	50.0	ND	121	70-130			
Surrogate: Bromofluorobenzene	*0.592*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: Toluene-d8	*0.562*		*0.500*		*112*	*70-130*			
Matrix Spike Dup (2440017-MSD2)				**Source: E409272-03**					Prepared: 09/30/24 Analyzed: 10/02/24
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0	ND	117	70-130	3.07	20	
Surrogate: Bromofluorobenzene	*0.596*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.563*		*0.500*		*113*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

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 (2440004-BLK1)									Prepared: 09/30/24 Analyzed: 10/02/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*50-200*			
LCS (2440004-BS1)									Prepared: 09/30/24 Analyzed: 10/02/24
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			
Matrix Spike (2440004-MS1)				**Source: E409270-22**					Prepared: 09/30/24 Analyzed: 10/02/24
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2440004-MSD1)				**Source: E409270-22**					Prepared: 09/30/24 Analyzed: 10/02/24
Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	38-132	4.71	20	
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/4/2024 10:14:42AM

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 (2440020-BLK1)									Prepared: 09/30/24 Analyzed: 09/30/24
Chloride	ND	20.0							
LCS (2440020-BS1)									Prepared: 09/30/24 Analyzed: 09/30/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2440020-MS1)				**Source: E409271-02**					Prepared: 09/30/24 Analyzed: 09/30/24
Chloride	418	20.0	250	155	105	80-120			
Matrix Spike Dup (2440020-MSD1)				**Source: E409271-02**					Prepared: 09/30/24 Analyzed: 09/30/24
Chloride	383	20.0	250	155	91.2	80-120	8.58	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/04/24 10:14

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E409272	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals
1003	9/26/24	Soil	1	SS01 - 0'		1						X		
1247	9/26/24	Soil	1	SS02 - 0'		2						X		
1239	9/26/24	Soil	1	SS03 - 0'		3						X		
1022	9/26/24	Soil	1	SS04 - 0'		4						X		
1024	9/26/24	Soil	1	SS05 - 0'		5						X		
1027	9/26/24	Soil	1	SS06 - 0'		6						X		
1029	9/26/24	Soil	1	SS07 - 0'		7						X		
1132	9/26/24	Soil	1	SS08 - 0'		8						X		
1134	9/26/24	Soil	1	SS09 - 0'		9						X		
1138	9/26/24	Soil	1	SS10 - 0'		10						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

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

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

Sampled by: Brandon Deal

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/27/24			9.27.24	1110
	9.27.24	2050		9.30.24	8:00

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Released to Imaging: 2/12/2026 3:08:14 PM

Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E409272	Job Number 23003-0002	1D 2D 3D Std: x	NM x, CO, UT, TX
Project: Desoto Springs Recycling Pond	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				
1203	9/26/24	Soil	1	SS11 - 0'		11						X						
1205	9/26/24	Soil	1	SS12 - 0'		12						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

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

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

Sampled by: Brandon Deal

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/27/24			9.27.24	1110
	9.27.24	2050		9.30.24	8:00

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 9/30/2024 9:56:12AM

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:	09/30/24 08:00	Work Order ID:	E409272
Phone:	(972) 371-5200	Date Logged In:	09/27/24 15:47	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

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:	Desoto Springs Recycling Pond
Work Order:	E410087
Job Number:	23003-0002
Received:	10/9/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/15/24

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

Date Reported: 10/15/24

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

Project Name: Desoto Springs Recycling Pond
Workorder: E410087
Date Received: 10/9/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2024 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/24 10:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 0'	E410087-01A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH01 - 1'	E410087-02A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH01 - 3'	E410087-03A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH02 - 0'	E410087-04A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH02 - 2'	E410087-05A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH03 - 0	E410087-06A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH03 - 2'	E410087-07A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH04 - 0'	E410087-08A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH04 - 2'	E410087-09A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
BH04 - 4'	E410087-10A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH01 - 0'

E410087-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	**1.59**	0.0250	1	10/09/24	10/10/24	
Toluene	**0.110**	0.0250	1	10/09/24	10/10/24	
o-Xylene	**3.17**	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	**7.97**	0.0500	1	10/09/24	10/10/24	
Total Xylenes	**11.1**	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	**105**	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	**17200**	1250	50	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	**6300**	2500	50	10/09/24	10/09/24	
Surrogate: n-Nonane		*130 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**8580**	200	10	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH01 - 1'

E410087-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/09/24	10/10/24	
Toluene	ND	0.0250	1	10/09/24	10/10/24	
o-Xylene	ND	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/24	10/09/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**1280**	40.0	2	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH01 - 3'

E410087-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/09/24	10/10/24	
Toluene	ND	0.0250	1	10/09/24	10/10/24	
o-Xylene	ND	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.7 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/24	10/09/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**81.8**	20.0	1	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH02 - 0'

E410087-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/09/24	10/10/24	
Toluene	ND	0.0250	1	10/09/24	10/10/24	
o-Xylene	ND	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	**9740**	1250	50	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	**4540**	2500	50	10/09/24	10/09/24	
Surrogate: n-Nonane		*92.9 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**10000**	200	10	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH02 - 2'

E410087-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/09/24	10/10/24	
Toluene	ND	0.0250	1	10/09/24	10/10/24	
o-Xylene	ND	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	**44.0**	25.0	1	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/24	10/09/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**155**	20.0	1	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH03 - 0

E410087-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	**1.02**	0.0250	1	10/09/24	10/10/24	
Toluene	**0.320**	0.0250	1	10/09/24	10/10/24	
o-Xylene	**1.98**	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	**4.66**	0.0500	1	10/09/24	10/10/24	
Total Xylenes	**6.65**	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	**64.6**	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	**11800**	1250	50	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	**4710**	2500	50	10/09/24	10/09/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**9460**	200	10	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH03 - 2'

E410087-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/09/24	10/10/24	
Toluene	ND	0.0250	1	10/09/24	10/10/24	
o-Xylene	ND	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.5 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/24	10/09/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**43.2**	20.0	1	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH04 - 0'

E410087-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	**0.124**	0.0250	1	10/09/24	10/10/24	
Toluene	ND	0.0250	1	10/09/24	10/10/24	
o-Xylene	**0.237**	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	**0.445**	0.0500	1	10/09/24	10/10/24	
Total Xylenes	**0.682**	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	**18000**	1250	50	10/09/24	10/09/24	
Oil Range Organics (C28-C36)	**7530**	2500	50	10/09/24	10/09/24	
Surrogate: n-Nonane		*88.8 %*	*50-200*	*10/09/24*	*10/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**5650**	100	5	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH04 - 2'

E410087-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/09/24	10/10/24	
Toluene	ND	0.0250	1	10/09/24	10/10/24	
o-Xylene	ND	0.0250	1	10/09/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*10/09/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/24	10/10/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*10/09/24*	*10/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**2600**	40.0	2	10/09/24	10/09/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

BH04 - 4'

E410087-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Benzene	ND	0.0250	1	10/09/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/09/24	10/11/24	
Toluene	ND	0.0250	1	10/09/24	10/11/24	
o-Xylene	ND	0.0250	1	10/09/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/09/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/09/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.4 %*	*70-130*	*10/09/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*10/09/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2441058
Diesel Range Organics (C10-C28)	**25.2**	25.0	1	10/09/24	10/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/24	10/10/24	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*10/09/24*	*10/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2441055
Chloride	**175**	20.0	1	10/09/24	10/09/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441052-BLK1)									Prepared: 10/09/24 Analyzed: 10/10/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.98*		*8.00*		*87.3*	*70-130*			
LCS (2441052-BS1)									Prepared: 10/09/24 Analyzed: 10/10/24
Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.0*	*70-130*			
Matrix Spike (2441052-MS1)				**Source: E410086-03**					Prepared: 10/09/24 Analyzed: 10/10/24
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.07	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.29*		*8.00*		*91.1*	*70-130*			
Matrix Spike Dup (2441052-MSD1)				**Source: E410086-03**					Prepared: 10/09/24 Analyzed: 10/10/24
Benzene	5.09	0.0250	5.00	ND	102	54-133	2.87	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133	2.73	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	2.81	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	2.84	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131	2.76	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131	2.79	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.23*		*8.00*		*90.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441052-BLK1)									Prepared: 10/09/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.1*	*70-130*			
LCS (2441052-BS2)									Prepared: 10/09/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2441052-MS2)				**Source: E410086-03**					Prepared: 10/09/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.09*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2441052-MSD2)				**Source: E410086-03**					Prepared: 10/09/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.6	70-130	4.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.09*		*8.00*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

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 (2441058-BLK1)									Prepared: 10/09/24 Analyzed: 10/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.5*		*50.0*		*109*	*50-200*			
LCS (2441058-BS1)									Prepared: 10/09/24 Analyzed: 10/09/24
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*50-200*			
Matrix Spike (2441058-MS1)				**Source: E410087-02**					Prepared: 10/09/24 Analyzed: 10/09/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2441058-MSD1)				**Source: E410087-02**					Prepared: 10/09/24 Analyzed: 10/09/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132	2.59	20	
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/2024 10:43:50AM

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 (2441055-BLK1)									Prepared: 10/09/24 Analyzed: 10/09/24
Chloride	ND	20.0							
LCS (2441055-BS1)									Prepared: 10/09/24 Analyzed: 10/09/24
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2441055-MS1)				**Source: E410087-07**					Prepared: 10/09/24 Analyzed: 10/09/24
Chloride	298	20.0	250	43.2	102	80-120			
Matrix Spike Dup (2441055-MSD1)				**Source: E410087-07**					Prepared: 10/09/24 Analyzed: 10/09/24
Chloride	298	20.0	250	43.2	102	80-120	0.123	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/15/24 10:43

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410087	1D 2D 3D Std	NM CO UT TX
Project: Neato Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003-0002		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

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
12:44	10/7/24	Soil	1	BH01-0'		1						X			
12:48	"	"	"	BH01-1'		2						X			
12:54	"	"	"	BH01-3'		3						X			
13:50	"	"	"	BH02-0'		4						X			
13:56	"	"	"	BH02-2'		5						X			
10:44	"	"	"	BH03-0'		6						X			
10:52	"	"	"	BH03-2'		7						X			
13:50	"	"	"	BH04-0'		8						X			
15:09	"	"	"	BH04-2'		9						X			
15:37	"	"	"	BH04-4'		10						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Bowan Simmons

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/8/24	7:00	Michelle Gonzales	10.8.24	0700
Michelle Gonzales	10-8-24	1715			
				10-9-24	0850
	10.8.24	2345		10.8.24	1720

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: 10/9/2024 11:42:53AM

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:	10/09/24 08:00	Work Order ID:	E410087
Phone:	(972) 371-5200	Date Logged In:	10/08/24 17:15	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	10/15/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Desoto Springs Recycling Pond
Work Order:	E410091
Job Number:	23003-0002
Received:	10/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/14/24

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

Date Reported: 10/14/24

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

Project Name: Desoto Springs Recycling Pond
Workorder: E410091
Date Received: 10/10/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/10/2024 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/24 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05-0'	E410091-01A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH05-2'	E410091-02A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH06-0'	E410091-03A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH06-1'	E410091-04A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH06-3'	E410091-05A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH06-5'	E410091-06A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH07-0'	E410091-07A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH07-1'	E410091-08A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH07-3'	E410091-09A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH07-5'	E410091-10A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH07-7'	E410091-11A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH08-0'	E410091-12A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH08-1'	E410091-13A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH08-3'	E410091-14A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
BH08-5'	E410091-15A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH05-0'

E410091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/10/24	
Toluene	ND	0.0250	1	10/10/24	10/10/24	
o-Xylene	ND	0.0250	1	10/10/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/10/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*10/10/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**110**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**524**	20.0	1	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH05-2'

E410091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/10/24	
Toluene	ND	0.0250	1	10/10/24	10/10/24	
o-Xylene	ND	0.0250	1	10/10/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/10/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*10/10/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**34.3**	20.0	1	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH06-0'

E410091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	**1.23**	0.0250	1	10/10/24	10/11/24	
Toluene	**0.0468**	0.0250	1	10/10/24	10/11/24	
o-Xylene	**3.66**	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	**8.19**	0.0500	1	10/10/24	10/11/24	
Total Xylenes	**11.9**	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*131 %*	*70-130*	*10/10/24*	*10/11/24*	*S5*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	**103**	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**17600**	125	5	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**7270**	250	5	10/10/24	10/11/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**2830**	40.0	2	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH06-1'

E410091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/10/24	
Toluene	ND	0.0250	1	10/10/24	10/10/24	
o-Xylene	ND	0.0250	1	10/10/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*10/10/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*10/10/24*	*10/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**140**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**81.5**	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*89.9 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**2070**	40.0	2	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH06-3'

E410091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**124**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**57.2**	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*92.3 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**58.2**	20.0	1	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH06-5'

E410091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**48.6**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*88.8 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**74.7**	20.0	1	10/10/24	10/10/24	

Sample Data

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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH07-0'

E410091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	**0.185**	0.0250	1	10/10/24	10/11/24	
Toluene	**0.105**	0.0250	1	10/10/24	10/11/24	
o-Xylene	**2.96**	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	**1.80**	0.0500	1	10/10/24	10/11/24	
Total Xylenes	**4.76**	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*119 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	**71.6**	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**28200**	125	5	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**10700**	250	5	10/10/24	10/11/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**5970**	100	5	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH07-1'

E410091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**116**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**90.6**	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**1620**	40.0	2	10/10/24	10/10/24	

Sample Data

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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH07-3'

E410091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**2470**	40.0	2	10/10/24	10/10/24	

Sample Data

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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH07-5'

E410091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**29.4**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**3080**	40.0	2	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH07-7'

E410091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**323**	20.0	1	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH08-0'

E410091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	**0.240**	0.0250	1	10/10/24	10/11/24	
Toluene	**0.253**	0.0250	1	10/10/24	10/11/24	
o-Xylene	**7.73**	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	**17.7**	0.0500	1	10/10/24	10/11/24	
Total Xylenes	**25.4**	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	**209**	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**27600**	125	5	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**9840**	250	5	10/10/24	10/11/24	
Surrogate: n-Nonane		*144 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**1640**	40.0	2	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH08-1'

E410091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**207**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**128**	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**1590**	40.0	2	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH08-3'

E410091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	ND	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/11/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**112**	25.0	1	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**60.1**	50.0	1	10/10/24	10/11/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**1810**	40.0	2	10/10/24	10/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

BH08-5'

E410091-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Benzene	ND	0.0250	1	10/10/24	10/11/24	
Ethylbenzene	**0.0333**	0.0250	1	10/10/24	10/11/24	
Toluene	ND	0.0250	1	10/10/24	10/11/24	
o-Xylene	**0.742**	0.0250	1	10/10/24	10/11/24	
p,m-Xylene	**1.60**	0.0500	1	10/10/24	10/11/24	
Total Xylenes	**2.35**	0.0250	1	10/10/24	10/11/24	
Surrogate: 4-Bromochlorobenzene-PID		*120 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441069
Gasoline Range Organics (C6-C10)	**26.2**	20.0	1	10/10/24	10/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*10/10/24*	*10/11/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441066
Diesel Range Organics (C10-C28)	**5370**	50.0	2	10/10/24	10/11/24	
Oil Range Organics (C28-C36)	**2150**	100	2	10/10/24	10/11/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*10/10/24*	*10/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2441076
Chloride	**1590**	20.0	1	10/10/24	10/10/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441069-BLK1)									Prepared: 10/10/24 Analyzed: 10/10/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
LCS (2441069-BS1)									Prepared: 10/10/24 Analyzed: 10/10/24
Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.1	70-130			
Toluene	4.38	0.0250	5.00		87.6	70-130			
o-Xylene	4.31	0.0250	5.00		86.1	70-130			
p,m-Xylene	8.78	0.0500	10.0		87.8	70-130			
Total Xylenes	13.1	0.0250	15.0		87.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			
Matrix Spike (2441069-MS1)				**Source: E410091-04**					Prepared: 10/10/24 Analyzed: 10/11/24
Benzene	5.70	0.0250	5.00	ND	114	54-133			
Ethylbenzene	5.56	0.0250	5.00	ND	111	61-133			
Toluene	5.65	0.0250	5.00	ND	113	61-130			
o-Xylene	5.56	0.0250	5.00	ND	111	63-131			
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131			
Total Xylenes	16.9	0.0250	15.0	ND	113	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2441069-MSD1)				**Source: E410091-04**					Prepared: 10/10/24 Analyzed: 10/10/24
Benzene	4.77	0.0250	5.00	ND	95.4	54-133	17.8	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133	17.7	20	
Toluene	4.73	0.0250	5.00	ND	94.5	61-130	17.8	20	
o-Xylene	4.66	0.0250	5.00	ND	93.3	63-131	17.6	20	
p,m-Xylene	9.50	0.0500	10.0	ND	95.0	63-131	17.6	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.5	63-131	17.6	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.35*		*8.00*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441069-BLK1)									Prepared: 10/10/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.2*	*70-130*			
LCS (2441069-BS2)									Prepared: 10/10/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2441069-MS2)				**Source: E410091-04**					Prepared: 10/10/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike Dup (2441069-MSD2)				**Source: E410091-04**					Prepared: 10/10/24 Analyzed: 10/10/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	7.04	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

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 (2441066-BLK1)									Prepared: 10/10/24 Analyzed: 10/10/24
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*	*50-200*			
LCS (2441066-BS1)									Prepared: 10/10/24 Analyzed: 10/10/24
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*50-200*			
Matrix Spike (2441066-MS1)				**Source: E410091-01**					Prepared: 10/10/24 Analyzed: 10/10/24
Diesel Range Organics (C10-C28)	371	25.0	250	110	104	38-132			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.7*	*50-200*			
Matrix Spike Dup (2441066-MSD1)				**Source: E410091-01**					Prepared: 10/10/24 Analyzed: 10/10/24
Diesel Range Organics (C10-C28)	392	25.0	250	110	113	38-132	5.56	20	
Surrogate: n-Nonane	*47.1*		*50.0*		*94.3*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:19:47PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441076-BLK1)									Prepared: 10/10/24 Analyzed: 10/10/24
Chloride	ND	20.0							
LCS (2441076-BS1)									Prepared: 10/10/24 Analyzed: 10/10/24
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2441076-MS1)				**Source: E410091-04**					Prepared: 10/10/24 Analyzed: 10/10/24
Chloride	2330	40.0	250	2070	104	80-120			
Matrix Spike Dup (2441076-MSD1)				**Source: E410091-04**					Prepared: 10/10/24 Analyzed: 10/10/24
Chloride	2340	40.0	250	2070	108	80-120	0.458	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/24 13:19

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410091	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	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

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
9:15	10/8/24	Soil	1	BH05-0'		1						X						
10:12				BH05-2'		2						X						
9:23				BH06-0'		3						X						
12:09				BH06-1'		4						X						
12:15				BH06-3'		5						X						
13:06				BH06-5'		6						X						
9:24				BH07-0'		7						X						
13:49				BH07-1'		8						X						
13:56				BH07-3'		9						X						
14:31				BH07-5'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Bowan Simmons

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/9/24	1055	Michelle Gonzalez	10-9-24	1055
Michelle Gonzales	10924	1630		10.9.24	1630
	10.9.24	2215	Cartha Mare	10.10.24	8:00

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410091	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
15:10	10/4/24	Soil	1	BH07 - 7'		11						X						
9:34				BH08 - 0'		12						X						
16:34				BH08 - 1'		13						X						
16:40				BH08 - 3'		14						X						
16:48				BH08 - 5'		15						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

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

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

Sampled by: Bowan Simmons

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/9/24	1055	Michelle Gonzales	10.9.24	1055
Michelle Gonzales	10.9.24	1630		10.9.24	1630
	10.9.24	2215		10.10.24	8:00

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 10/10/2024 9:03:45AM

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:	10/10/24 08:00	Work Order ID:	E410091
Phone:	(972) 371-5200	Date Logged In:	10/09/24 15:08	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/16/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Desoto Springs Recycling Pond
Work Order:	E410101
Job Number:	23003-0002
Received:	10/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/14/24

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

Date Reported: 10/14/24

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

Project Name: Desoto Springs Recycling Pond
Workorder: E410101
Date Received: 10/11/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/11/2024 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/24 13:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08-6'	E410101-01A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH08-7'	E410101-02A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH08-8'	E410101-03A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:36:18PM

BH08-6'

E410101-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/11/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/11/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441101
Diesel Range Organics (C10-C28)	**34.7**	25.0	1	10/11/24	10/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/12/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*10/11/24*	*10/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2441081
Chloride	**31.7**	20.0	1	10/11/24	10/11/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:36:18PM

BH08-7'

E410101-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/11/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/11/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441101
Diesel Range Organics (C10-C28)	**43.9**	25.0	1	10/11/24	10/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/12/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*10/11/24*	*10/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2441081
Chloride	**73.4**	20.0	1	10/11/24	10/11/24	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:36:18PM

BH08-8'

E410101-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2441083
Benzene	ND	0.0250	1	10/11/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/11/24	10/12/24	
Toluene	ND	0.0250	1	10/11/24	10/12/24	
o-Xylene	ND	0.0250	1	10/11/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/11/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/11/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2441083
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/24	10/12/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.9 %*	*70-130*	*10/11/24*	*10/12/24*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/11/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441101
Diesel Range Organics (C10-C28)	**58.6**	25.0	1	10/11/24	10/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/12/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*10/11/24*	*10/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2441081
Chloride	**77.1**	20.0	1	10/11/24	10/11/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:36:18PM

Volatile Organic Compounds by EPA 8260B

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 (2441083-BLK1)									Prepared: 10/11/24 Analyzed: 10/12/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.588*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
LCS (2441083-BS1)									Prepared: 10/11/24 Analyzed: 10/12/24
Benzene	2.78	0.0250	2.50		111	70-130			
Ethylbenzene	2.66	0.0250	2.50		106	70-130			
Toluene	2.70	0.0250	2.50		108	70-130			
o-Xylene	2.80	0.0250	2.50		112	70-130			
p,m-Xylene	5.55	0.0500	5.00		111	70-130			
Total Xylenes	8.34	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	*0.588*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
LCS Dup (2441083-BSD1)									Prepared: 10/11/24 Analyzed: 10/12/24
Benzene	2.87	0.0250	2.50		115	70-130	3.08	23	
Ethylbenzene	2.79	0.0250	2.50		112	70-130	4.94	27	
Toluene	2.83	0.0250	2.50		113	70-130	4.57	24	
o-Xylene	2.93	0.0250	2.50		117	70-130	4.65	27	
p,m-Xylene	5.86	0.0500	5.00		117	70-130	5.45	27	
Total Xylenes	8.78	0.0250	7.50		117	70-130	5.18	27	
Surrogate: Bromofluorobenzene	*0.600*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:36:18PM

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 (2441083-BLK1)									Prepared: 10/11/24 Analyzed: 10/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.588*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			
LCS (2441083-BS2)									Prepared: 10/11/24 Analyzed: 10/12/24
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.3	70-130			
Surrogate: Bromofluorobenzene	*0.594*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.546*		*0.500*		*109*	*70-130*			
LCS Dup (2441083-BSD2)									Prepared: 10/11/24 Analyzed: 10/12/24
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130	13.5	20	
Surrogate: Bromofluorobenzene	*0.592*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: Toluene-d8	*0.556*		*0.500*		*111*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:36:18PM

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 (2441101-BLK1)									Prepared: 10/11/24 Analyzed: 10/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*50-200*			
LCS (2441101-BS1)									Prepared: 10/11/24 Analyzed: 10/11/24
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2441101-MS1)				**Source: E410099-23**					Prepared: 10/11/24 Analyzed: 10/12/24
Diesel Range Organics (C10-C28)	62200	1250	250	68100	NR	38-132			M4
Surrogate: n-Nonane	*80.7*		*50.0*		*161*	*50-200*			
Matrix Spike Dup (2441101-MSD1)				**Source: E410099-23**					Prepared: 10/11/24 Analyzed: 10/12/24
Diesel Range Organics (C10-C28)	63100	1250	250	68100	NR	38-132	1.47	20	M4
Surrogate: n-Nonane	*86.3*		*50.0*		*173*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 1:36:18PM

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 (2441081-BLK1)									Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	ND	20.0							
LCS (2441081-BS1)									Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2441081-MS1)				**Source: E410098-02**					Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	1320	20.0	250	751	229	80-120			M4
Matrix Spike Dup (2441081-MSD1)				**Source: E410098-02**					Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	1500	20.0	250	751	299	80-120	12.3	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/24 13:36

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E410101	Job Number 23C03-0002	1D 2D 3D Std: Std
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy			NM CO UT TX: NM
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
12:49	10/9/24	Soil	1	BH06 - ~~5~~ 6'		1						X		
12:54	"	"	"	BH06 - ~~6~~ 7'		2						X		
13:34	"	"	"	BH06 - 9'		3						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

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

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

Sampled by: Bowan Simmons

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/10/24	9:01	Michelle Gonzales	10.10.24	0901
Michelle Gonzales	10.10.24	1500	[signature]	10.10.24	1700
[signature]	10.10.24	2315	[signature]	10.11.24	8:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 10/11/2024 9:50:41AM

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:	10/11/24 08:00	Work Order ID:	E410101
Phone:	(972) 371-5200	Date Logged In:	10/10/24 15:26	Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:	10/17/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
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?	No	
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

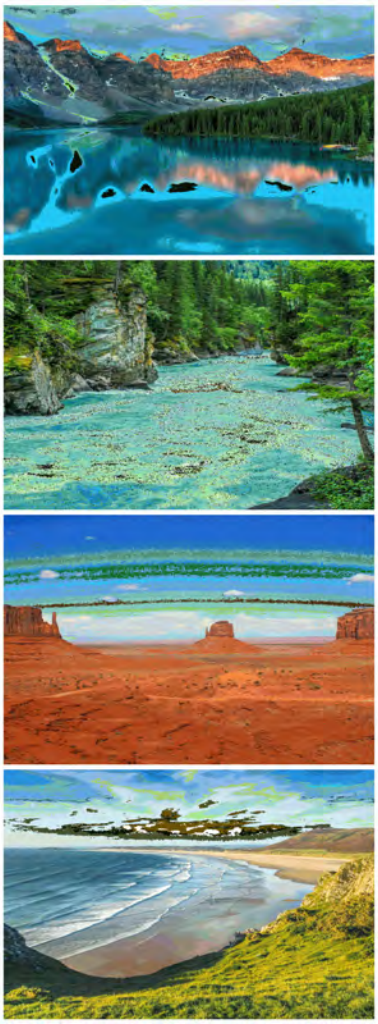
Signature of client authorizing changes to the COC or sample disposition.

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:	Desoto Springs Recycling Pond
Work Order:	E502207
Job Number:	23003-0002
Received:	2/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/27/25

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: 2/27/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502207
Date Received: 2/22/2025 5:00:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2025 5:00:10AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/27/25 10:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09-12'	E502207-01A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH09-14'	E502207-02A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH09-15.5'	E502207-03A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH10-12'	E502207-04A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH10-13'	E502207-05A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH11-2'	E502207-06A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH11-4'	E502207-07A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH11-6'	E502207-08A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH11-8'	E502207-09A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH11-9'	E502207-10A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH12-3'	E502207-11A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH12-5'	E502207-12A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH12-6'	E502207-13A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH09-12'

E502207-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/22/25*	*02/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**3590**	40.0	2	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH09-14'

E502207-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/22/25*	*02/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**2860**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH09-15.5'

E502207-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/22/25*	*02/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**2570**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH10-12'

E502207-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/22/25*	*02/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**548**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH10-13'

E502207-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**285**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH11-2'

E502207-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	**65.6**	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	**56.8**	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**2070**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH11-4'

E502207-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	**277**	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	**240**	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**1650**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH11-6'

E502207-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	**142**	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	**70.8**	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**253**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH11-8'

E502207-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**593**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH11-9'

E502207-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**620**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH12-3'

E502207-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	**4460**	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	**2190**	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**460**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH12-5'

E502207-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2508137
Diesel Range Organics (C10-C28)	**78.7**	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**109**	20.0	1	02/23/25	02/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

BH12-6'

E502207-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2508127
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/22/25*	*02/22/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/22/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508137
Diesel Range Organics (C10-C28)	**28.8**	25.0	1	02/22/25	02/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/24/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/22/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2509003
Chloride	**146**	20.0	1	02/23/25	02/23/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

Volatile Organic Compounds by EPA 8260B

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 (2508127-BLK1)									Prepared: 02/22/25 Analyzed: 02/22/25
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: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
LCS (2508127-BS1)									Prepared: 02/22/25 Analyzed: 02/22/25
Benzene	2.46	0.0250	2.50		98.3	70-130			
Ethylbenzene	2.55	0.0250	2.50		102	70-130			
Toluene	2.58	0.0250	2.50		103	70-130			
o-Xylene	2.65	0.0250	2.50		106	70-130			
p,m-Xylene	5.25	0.0500	5.00		105	70-130			
Total Xylenes	7.89	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike (2508127-MS1)				**Source: E502207-06**					Prepared: 02/22/25 Analyzed: 02/22/25
Benzene	2.20	0.0250	2.50	ND	87.8	48-131			
Ethylbenzene	2.27	0.0250	2.50	ND	90.7	45-135			
Toluene	2.30	0.0250	2.50	ND	91.9	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135			
p,m-Xylene	4.73	0.0500	5.00	ND	94.6	43-135			
Total Xylenes	7.12	0.0250	7.50	ND	94.9	43-135			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2508127-MSD1)				**Source: E502207-06**					Prepared: 02/22/25 Analyzed: 02/22/25
Benzene	2.36	0.0250	2.50	ND	94.3	48-131	7.09	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135	7.73	27	
Toluene	2.48	0.0250	2.50	ND	99.1	48-130	7.50	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	7.23	27	
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135	7.45	27	
Total Xylenes	7.66	0.0250	7.50	ND	102	43-135	7.37	27	
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

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 (2508127-BLK1)									Prepared: 02/22/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
LCS (2508127-BS2)									Prepared: 02/22/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike (2508127-MS2)				**Source: E502207-06**					Prepared: 02/22/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2508127-MSD2)				**Source: E502207-06**					Prepared: 02/22/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	0.999	20	
Surrogate: Bromofluorobenzene	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

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 (2508137-BLK1)									Prepared: 02/22/25 Analyzed: 02/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
LCS (2508137-BS1)									Prepared: 02/22/25 Analyzed: 02/23/25
Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
Matrix Spike (2508137-MS1)				**Source: E502207-05**					Prepared: 02/22/25 Analyzed: 02/23/25
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*52.9*		*50.0*		*106*	*61-141*			
Matrix Spike Dup (2508137-MSD1)				**Source: E502207-05**					Prepared: 02/22/25 Analyzed: 02/23/25
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.2	56-156	11.0	20	
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/27/2025 10:52:59AM

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 (2509003-BLK1)									Prepared: 02/23/25 Analyzed: 02/23/25
Chloride	ND	20.0							
LCS (2509003-BS1)									Prepared: 02/23/25 Analyzed: 02/23/25
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2509003-MS1)				**Source: E502203-03**					Prepared: 02/23/25 Analyzed: 02/23/25
Chloride	675	20.0	250	447	91.2	80-120			
Matrix Spike Dup (2509003-MSD1)				**Source: E502203-03**					Prepared: 02/23/25 Analyzed: 02/23/25
Chloride	679	20.0	250	447	92.9	80-120	0.607	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/27/25 10:52

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502207	Job Number 23B03-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
939	2/20/25	Soil	1	BH09-12'		1						X						
1053				14'		2						X						
1100				15.5'		3						X						
1008				BH10-12'		4						X						
1011				13'		5						X						
1228				BH11-2'		6						X						
1232				4'		7						X						
1358				6'		8						X						
1405				8'		9						X						
1407				9'		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/21/25	7:35	Michelle Gonzales	2.21.25	0735
Michelle Gonzales	2.21.25	1645	[signature] M.	2.21.25	1645
[signature] M.	2.21.25	2400	Caitlin Han	2/24/25	800 NS 2-24-25

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.

Noe Soto 2-22-25 0500

envirotech

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502207	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1236	2/20/25	Soil	1	BH12 - 3'		11						X						
1238	↓	↓	↓	↓ 5'		12						X						
1239	↓	↓	↓	↓ 6'		13						X						
												X						
												X						
												X						
												X						
												X						
												X						
				+								X						
												X						

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/21/25	7:35	Michelle Gonzales	2.21.25	0735
Michelle Gonzales	2.21.25	1645	[signature]	2.21.25	1645
[signature]	2.21.25	2400	[signature]	2/24/25	800 NS 2-24-25
			Noe Soto	2-22-25	0500

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 2/24/2025 3:01:28PM

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:	02/22/25 05:00	Work Order ID:	E502207
Phone:	(972) 371-5200	Date Logged In:	02/21/25 15:56	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	02/28/25 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

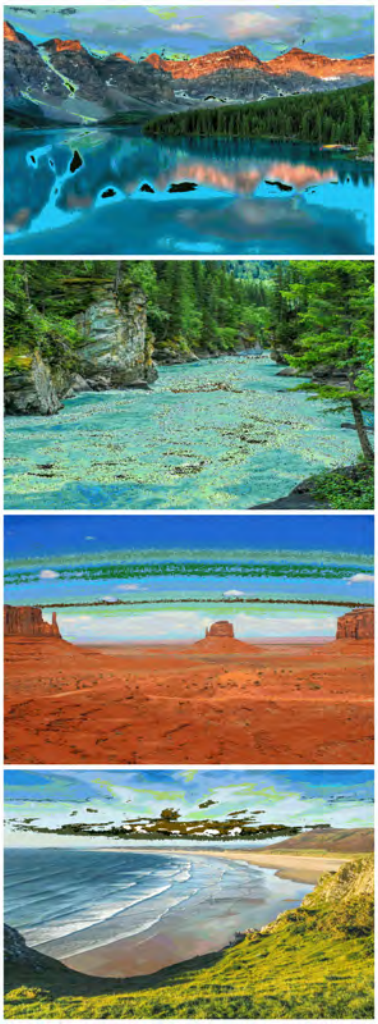
Signature of client authorizing changes to the COC or sample disposition.

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:	Desoto Springs Recycling Pond
Work Order:	E502227
Job Number:	23003-0002
Received:	2/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/3/25

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: 3/3/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502227
Date Received: 2/25/2025 5:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/25/2025 5:45:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/03/25 09:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11-11'	E502227-01A	Soil	02/21/25	02/25/25	Glass Jar, 2 oz.
BH11-13'	E502227-02A	Soil	02/21/25	02/25/25	Glass Jar, 2 oz.
BH13-4'	E502227-03A	Soil	02/21/25	02/25/25	Glass Jar, 2 oz.
BH13-6'	E502227-04A	Soil	02/21/25	02/25/25	Glass Jar, 2 oz.
BH13-8'	E502227-05A	Soil	02/21/25	02/25/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

BH11-11'

E502227-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509044
Chloride	**946**	20.0	1	02/25/25	02/26/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

BH11-13'

E502227-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509042
Diesel Range Organics (C10-C28)	**25.5**	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509044
Chloride	**224**	20.0	1	02/25/25	02/26/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

BH13-4'

E502227-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509044
Chloride	**2100**	20.0	1	02/25/25	02/26/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

BH13-6'

E502227-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509044
Chloride	**1830**	20.0	1	02/25/25	02/26/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

BH13-8'

E502227-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Benzene	ND	0.0250	1	02/25/25	02/26/25	
Ethylbenzene	ND	0.0250	1	02/25/25	02/26/25	
Toluene	ND	0.0250	1	02/25/25	02/26/25	
o-Xylene	ND	0.0250	1	02/25/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/25/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/25	02/26/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/25/25*	*02/26/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2509042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/25	02/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/25/25	02/25/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*02/25/25*	*02/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509044
Chloride	**185**	20.0	1	02/25/25	02/26/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

Volatile Organic Compounds by EPA 8260B

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 (2509036-BLK1)									Prepared: 02/25/25 Analyzed: 02/26/25
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: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
LCS (2509036-BS1)									Prepared: 02/25/25 Analyzed: 02/26/25
Benzene	2.45	0.0250	2.50		97.9	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.4	70-130			
Toluene	2.37	0.0250	2.50		94.9	70-130			
o-Xylene	2.40	0.0250	2.50		96.2	70-130			
p,m-Xylene	4.75	0.0500	5.00		95.1	70-130			
Total Xylenes	7.16	0.0250	7.50		95.4	70-130			
Surrogate: Bromofluorobenzene	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike (2509036-MS1)				**Source: E502227-02**					Prepared: 02/25/25 Analyzed: 02/26/25
Benzene	2.45	0.0250	2.50	ND	98.0	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.4	45-135			
Toluene	2.39	0.0250	2.50	ND	95.5	48-130			
o-Xylene	2.37	0.0250	2.50	ND	95.0	43-135			
p,m-Xylene	4.72	0.0500	5.00	ND	94.3	43-135			
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135			
Surrogate: Bromofluorobenzene	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			
Matrix Spike Dup (2509036-MSD1)				**Source: E502227-02**					Prepared: 02/25/25 Analyzed: 02/26/25
Benzene	2.55	0.0250	2.50	ND	102	48-131	3.96	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135	1.97	27	
Toluene	2.44	0.0250	2.50	ND	97.5	48-130	2.05	24	
o-Xylene	2.45	0.0250	2.50	ND	98.2	43-135	3.33	27	
p,m-Xylene	4.86	0.0500	5.00	ND	97.1	43-135	2.93	27	
Total Xylenes	7.31	0.0250	7.50	ND	97.5	43-135	3.07	27	
Surrogate: Bromofluorobenzene	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.530*		*0.500*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.492*		*0.500*		*98.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

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 (2509036-BLK1)									Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
LCS (2509036-BS2)									Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.9	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike (2509036-MS2)				**Source: E502227-02**					Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2509036-MSD2)				**Source: E502227-02**					Prepared: 02/25/25 Analyzed: 02/26/25
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130	0.160	20	
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

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 (2509042-BLK1)									Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*61-141*			
LCS (2509042-BS1)									Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*61-141*			
Matrix Spike (2509042-MS1)				**Source: E502226-02**					Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			
Matrix Spike Dup (2509042-MSD1)				**Source: E502226-02**					Prepared: 02/25/25 Analyzed: 02/25/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156	2.97	20	
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 9:32:42AM

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 (2509044-BLK1)									Prepared: 02/25/25 Analyzed: 02/26/25
Chloride	ND	20.0							
LCS (2509044-BS1)									Prepared: 02/25/25 Analyzed: 02/26/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2509044-MS1)				**Source: E502227-01**					Prepared: 02/25/25 Analyzed: 02/26/25
Chloride	1170	20.0	250	946	90.8	80-120			
Matrix Spike Dup (2509044-MSD1)				**Source: E502227-01**					Prepared: 02/25/25 Analyzed: 02/26/25
Chloride	1160	20.0	250	946	87.1	80-120	0.780	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/03/25 09:32

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502227	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
934	2/21/25	Soil	1	BH11 - 11'		1						X						
1003	↓	↓	↓	↓ 13'		2						X						
1024				BH13 - 4'		3						X						
1033				↓ 6'		4						X						
1103	↓	↓	↓	↓ 8'		5						X						
												X						
												X						
												X						
				+								X						
												X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

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

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/24/25.	7:35	Michelle Gonzales	2.24.25	0735
Michelle Gonzales	2.24.25	1530	[signature]	2-24-25	1530
[signature]	2-24-25	2215	[signature]	2.25.25	545
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: 2/25/2025 7:36:53AM

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:	02/25/25 05:45	Work Order ID:	E502227
Phone:	(972) 371-5200	Date Logged In:	02/24/25 14:37	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/03/25 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:	Desoto Springs Recycling Pond
Work Order:	E503115
Job Number:	23003-0002
Received:	3/15/2025

Revision: 1

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: Desoto Springs Recycling Pond
Workorder: E503115
Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/25 12:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS50-3.5'	E503115-01A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS51-3.5'	E503115-02A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS52-4'	E503115-03A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS55-4'	E503115-04A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS56-4'	E503115-05A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS57-4'	E503115-06A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS58-4'	E503115-07A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS59-4'	E503115-08A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS73-3'	E503115-09A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS83-3'	E503115-10A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS84-1'	E503115-11A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS104-4'	E503115-12A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS168-4'	E503115-13A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
SW30A-(0-4')	E503115-14A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS50-3.5'

E503115-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**101**	25.0	1	03/15/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/15/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1230**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS51-3.5'

E503115-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1200**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS52-4'

E503115-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1650**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS55-4'

E503115-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**30.4**	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**2330**	40.0	2	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS56-4'

E503115-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**2680**	40.0	2	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS57-4'

E503115-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**40.8**	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**827**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS58-4'

E503115-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**75.0**	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**911**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS59-4'

E503115-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**184**	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	**62.6**	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1060**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS73-3'

E503115-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**228**	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	**110**	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1690**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS83-3'

E503115-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	**0.0355**	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	**0.0700**	0.0500	1	03/15/25	03/15/25	
Total Xylenes	**0.106**	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**486**	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	**216**	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1280**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS84-1'

E503115-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	**0.0500**	0.0500	1	03/15/25	03/15/25	
Total Xylenes	**0.0500**	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**244**	25.0	1	03/15/25	03/18/25	
Oil Range Organics (C28-C36)	**121**	50.0	1	03/15/25	03/18/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/15/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1210**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS104-4'

E503115-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**1550**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

FS168-4'

E503115-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**450**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

SW30A-(0-4')

E503115-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/15/25*	*03/15/25*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*03/15/25*	*03/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2511087
Diesel Range Organics (C10-C28)	**59.8**	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/15/25*	*03/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512015
Chloride	**383**	20.0	1	03/17/25	03/17/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

Volatile Organic Compounds by EPA 8260B

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 (2511092-BLK1)									Prepared: 03/15/25 Analyzed: 03/15/25
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: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2511092-BS1)									Prepared: 03/15/25 Analyzed: 03/15/25
Benzene	2.31	0.0250	2.50		92.3	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.1	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.40	0.0250	2.50		96.2	70-130			
p,m-Xylene	5.05	0.0500	5.00		101	70-130			
Total Xylenes	7.45	0.0250	7.50		99.4	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike (2511092-MS1)				**Source: E503112-01**					Prepared: 03/15/25 Analyzed: 03/15/25
Benzene	2.37	0.0250	2.50	ND	94.6	48-131			
Ethylbenzene	2.51	0.0250	2.50	0.0495	98.3	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.54	0.0250	2.50	0.0725	98.6	43-135			
p,m-Xylene	5.29	0.0500	5.00	0.159	103	43-135			
Total Xylenes	7.83	0.0250	7.50	0.231	101	43-135			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
Matrix Spike Dup (2511092-MSD1)				**Source: E503112-01**					Prepared: 03/15/25 Analyzed: 03/15/25
Benzene	2.44	0.0250	2.50	ND	97.6	48-131	3.14	23	
Ethylbenzene	2.58	0.0250	2.50	0.0495	101	45-135	2.75	27	
Toluene	2.67	0.0250	2.50	ND	107	48-130	3.89	24	
o-Xylene	2.65	0.0250	2.50	0.0725	103	43-135	4.41	27	
p,m-Xylene	5.56	0.0500	5.00	0.159	108	43-135	4.93	27	
Total Xylenes	8.21	0.0250	7.50	0.231	106	43-135	4.76	27	
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

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 (2511092-BLK1)									Prepared: 03/15/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2511092-BS2)									Prepared: 03/15/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.550*		*0.500*		*110*	*70-130*			
Matrix Spike (2511092-MS2)				**Source: E503112-01**					Prepared: 03/15/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	79.5	20.0	50.0	21.0	117	70-130			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
Matrix Spike Dup (2511092-MSD2)				**Source: E503112-01**					Prepared: 03/15/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	79.7	20.0	50.0	21.0	117	70-130	0.153	20	
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.544*		*0.500*		*109*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

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 (2511087-BLK1)									Prepared: 03/15/25 Analyzed: 03/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.6*		*50.0*		*97.1*	*61-141*			
LCS (2511087-BS1)									Prepared: 03/15/25 Analyzed: 03/15/25
Diesel Range Organics (C10-C28)	222	25.0	250		88.7	66-144			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike (2511087-MS1)				**Source: E503115-10**					Prepared: 03/15/25 Analyzed: 03/15/25
Diesel Range Organics (C10-C28)	705	25.0	250	486	87.6	56-156			
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2511087-MSD1)				**Source: E503115-10**					Prepared: 03/15/25 Analyzed: 03/15/25
Diesel Range Organics (C10-C28)	701	25.0	250	486	85.8	56-156	0.650	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.9*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2025 12:30:53PM

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 (2512015-BLK1)							Prepared: 03/17/25 Analyzed: 03/17/25		
Chloride	ND	20.0							
LCS (2512015-BS1)							Prepared: 03/17/25 Analyzed: 03/17/25		
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2512015-MS1)				**Source: E503115-03**			Prepared: 03/17/25 Analyzed: 03/17/25		
Chloride	1660	20.0	250	1650	2.52	80-120			M4
Matrix Spike Dup (2512015-MSD1)				**Source: E503115-03**			Prepared: 03/17/25 Analyzed: 03/17/25		
Chloride	1730	20.0	250	1650	29.9	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/25 12:30

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: 2/12/2026 3:08:14 PM

Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503115	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0910	3/13/2025	S	1	FS50 - 3.5'		1						X						
0908	3/13/2025	S	1	FS51 - 3.5'		2						X						
0907	3/13/2025	S	1	FS52 - 4'		3						X						
0905	3/13/2025	S	1	FS55 - 4'		4						X						
0903	3/13/2025	S	1	FS56 - 4'		5						X						
0901	3/13/2025	S	1	FS57 - 4'		6						X						
0856	3/13/2025	S	1	FS58 - 4'		7						X						
0855	3/13/2025	S	1	FS59 - 4'		8						X						
0851	3/13/2025	S	1	FS73 - 3'		9						X						
0852	3/13/2025	S	1	FS83 - 3'		10						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
[signature]	3-14-25		Michelle Gonzales	3-14-25	1030
Michelle Gonzales	3/14/25	1650	[signature]	3.14.25	1700
[signature]	3.14.25	2130	Noe Soto	3.15.25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Released to Imaging: 2/12/2026 3:08:14 PM

Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503115	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Desoto Spring Recycling Pond	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				
0854	3/13/2025	S	1	FS 84-1'		11						X						
0850	3/13/2025	S	1	FS 104-4'		12						X						
1130	3/13/2025	S	1	FS 168-4'		13						X						
1150	3/13/2025	S	1	SW 30A-(0-4')		14						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
	3-14-25		Michelle Gonzales	3-14-25	1030
Michelle Gonzales	3-14-25	1650	L.M.	3.14.25	1700
L.M.	3.14.25	2130	Noe Soto	3.15.25	0400

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 3/17/2025 9:09:33AM

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:	03/15/25 04:00	Work Order ID:	E503115
Phone:	(972) 371-5200	Date Logged In:	03/14/25 14:47	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/21/25 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? 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:	Desoto Springs Recycling Pond
Work Order:	E501195
Job Number:	23003-0002
Received:	1/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/3/25

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: 2/3/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E501195
Date Received: 1/28/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2025 7:45:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/03/25 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-8'	E501195-01A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS02-8'	E501195-02A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS03-8'	E501195-03A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS04-8'	E501195-04A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS05-8'	E501195-05A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS06-8'	E501195-06A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS07-8'	E501195-07A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS08-7'	E501195-08A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS09-7'	E501195-09A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS10-7'	E501195-10A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS11-7'	E501195-11A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS12-7'	E501195-12A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS13-7'	E501195-13A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS14-8'	E501195-14A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS15-8'	E501195-15A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS18-8'	E501195-16A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS19-8'	E501195-17A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS23-8'	E501195-18A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS24-7'	E501195-19A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS25-7'	E501195-20A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS28-7'	E501195-21A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS31-8'	E501195-22A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
FS32-8'	E501195-23A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS01-8'

E501195-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**56.9**	20.0	1	01/28/25	01/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS02-8'

E501195-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**30.0**	20.0	1	01/28/25	01/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS03-8'

E501195-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*115 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**39.7**	20.0	1	01/28/25	01/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS04-8'

E501195-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/28/25*	*01/28/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*01/28/25*	*01/28/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/28/25*	*01/28/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*01/28/25*	*01/28/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**40.5**	20.0	1	01/28/25	01/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS05-8'

E501195-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**65.9**	20.0	1	01/28/25	01/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS06-8'

E501195-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**45.2**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS07-8'

E501195-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**74.4**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS08-7'

E501195-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**57.9**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS09-7'

E501195-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*115 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**53.2**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS10-7'

E501195-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*114 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**25.3**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS11-7'

E501195-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**36.2**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS12-7'

E501195-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**119**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS13-7'

E501195-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*115 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**102**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS14-8'

E501195-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**78.6**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS15-8'

E501195-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**99.1**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS18-8'

E501195-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**31.2**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS19-8'

E501195-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**77.9**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS23-8'

E501195-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**106**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS24-7'

E501195-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**83.6**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS25-7'

E501195-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2505036
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*01/28/25*	*01/29/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505046
Diesel Range Organics (C10-C28)	**27.6**	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*117 %*	*50-200*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2505057
Chloride	**89.2**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS28-7'

E501195-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505037
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2505048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505058
Chloride	**83.4**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS31-8'

E501195-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505037
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2505048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505058
Chloride	**87.7**	20.0	1	01/28/25	01/29/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

FS32-8'

E501195-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505037
Benzene	ND	0.0250	1	01/28/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/29/25	
Toluene	ND	0.0250	1	01/28/25	01/29/25	
o-Xylene	ND	0.0250	1	01/28/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/29/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505037
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*01/28/25*	*01/29/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2505048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/29/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/28/25*	*01/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505058
Chloride	**116**	20.0	1	01/28/25	01/29/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

Volatile Organic Compounds by EPA 8260B

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 (2505036-BLK1)									Prepared: 01/28/25 Analyzed: 01/28/25
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: Bromofluorobenzene	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2505036-BS1)									Prepared: 01/28/25 Analyzed: 01/28/25
Benzene	2.23	0.0250	2.50		89.4	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.7	70-130			
Toluene	2.29	0.0250	2.50		91.6	70-130			
o-Xylene	2.33	0.0250	2.50		93.0	70-130			
p,m-Xylene	4.56	0.0500	5.00		91.1	70-130			
Total Xylenes	6.88	0.0250	7.50		91.7	70-130			
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike (2505036-MS1)				**Source: E501195-04**					Prepared: 01/28/25 Analyzed: 01/28/25
Benzene	2.16	0.0250	2.50	ND	86.4	48-131			
Ethylbenzene	2.20	0.0250	2.50	ND	88.1	45-135			
Toluene	2.18	0.0250	2.50	ND	87.4	48-130			
o-Xylene	2.26	0.0250	2.50	ND	90.3	43-135			
p,m-Xylene	4.43	0.0500	5.00	ND	88.6	43-135			
Total Xylenes	6.69	0.0250	7.50	ND	89.2	43-135			
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2505036-MSD1)				**Source: E501195-04**					Prepared: 01/28/25 Analyzed: 01/28/25
Benzene	2.22	0.0250	2.50	ND	88.9	48-131	2.85	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.4	45-135	4.72	27	
Toluene	2.30	0.0250	2.50	ND	92.1	48-130	5.22	24	
o-Xylene	2.34	0.0250	2.50	ND	93.7	43-135	3.63	27	
p,m-Xylene	4.61	0.0500	5.00	ND	92.2	43-135	4.00	27	
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135	3.88	27	
Surrogate: Bromofluorobenzene	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

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 (2505037-BLK1)									Prepared: 01/28/25 Analyzed: 01/30/25
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	*7.16*		*8.00*		*89.5*	*70-130*			
LCS (2505037-BS1)									Prepared: 01/28/25 Analyzed: 01/30/25
Benzene	4.52	0.0250	5.00		90.5	70-130			
Ethylbenzene	4.33	0.0250	5.00		86.5	70-130			
Toluene	4.45	0.0250	5.00		88.9	70-130			
o-Xylene	4.33	0.0250	5.00		86.6	70-130			
p,m-Xylene	8.80	0.0500	10.0		88.0	70-130			
Total Xylenes	13.1	0.0250	15.0		87.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.17*		*8.00*		*89.6*	*70-130*			
Matrix Spike (2505037-MS1)				**Source: E501190-05**					Prepared: 01/28/25 Analyzed: 01/30/25
Benzene	4.58	0.0250	5.00	ND	91.6	54-133			
Ethylbenzene	4.51	0.0250	5.00	0.150	87.3	61-133			
Toluene	4.57	0.0250	5.00	0.0590	90.3	61-130			
o-Xylene	4.91	0.0250	5.00	0.493	88.4	63-131			
p,m-Xylene	9.87	0.0500	10.0	1.04	88.3	63-131			
Total Xylenes	14.8	0.0250	15.0	1.53	88.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.56*		*8.00*		*94.5*	*70-130*			
Matrix Spike Dup (2505037-MSD1)				**Source: E501190-05**					Prepared: 01/28/25 Analyzed: 01/30/25
Benzene	4.60	0.0250	5.00	ND	92.0	54-133	0.366	20	
Ethylbenzene	4.54	0.0250	5.00	0.150	87.8	61-133	0.598	20	
Toluene	4.60	0.0250	5.00	0.0590	90.8	61-130	0.505	20	
o-Xylene	4.94	0.0250	5.00	0.493	88.9	63-131	0.514	20	
p,m-Xylene	9.92	0.0500	10.0	1.04	88.8	63-131	0.446	20	
Total Xylenes	14.9	0.0250	15.0	1.53	88.8	63-131	0.469	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

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 (2505036-BLK1)									Prepared: 01/28/25 Analyzed: 01/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
LCS (2505036-BS2)									Prepared: 01/28/25 Analyzed: 01/28/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.7	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Matrix Spike (2505036-MS2)				**Source: E501195-04**					Prepared: 01/28/25 Analyzed: 01/28/25
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.529*		*0.500*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2505036-MSD2)				**Source: E501195-04**					Prepared: 01/28/25 Analyzed: 01/29/25
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	2.44	20	
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

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 (2505037-BLK1)									Prepared: 01/28/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.6*	*70-130*			
LCS (2505037-BS2)									Prepared: 01/28/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.8*	*70-130*			
Matrix Spike (2505037-MS2)				**Source: E501190-05**					Prepared: 01/28/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	60.2	20.0	50.0	21.7	77.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike Dup (2505037-MSD2)				**Source: E501190-05**					Prepared: 01/28/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	61.4	20.0	50.0	21.7	79.4	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

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 (2505046-BLK1)									Prepared: 01/28/25 Analyzed: 01/29/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			
LCS (2505046-BS1)									Prepared: 01/28/25 Analyzed: 01/29/25
Diesel Range Organics (C10-C28)	294	25.0	250		118	38-132			
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*50-200*			
Matrix Spike (2505046-MS1)				**Source: E501195-06**					Prepared: 01/28/25 Analyzed: 01/29/25
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2505046-MSD1)				**Source: E501195-06**					Prepared: 01/28/25 Analyzed: 01/29/25
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	38-132	2.75	20	
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

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 (2505048-BLK1)									Prepared: 01/28/25 Analyzed: 01/30/25
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 (2505048-BS1)									Prepared: 01/28/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	288	25.0	250		115	66-144			
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			
Matrix Spike (2505048-MS1)				**Source: E501195-22**					Prepared: 01/28/25 Analyzed: 01/29/25
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*61-141*			
Matrix Spike Dup (2505048-MSD1)				**Source: E501195-22**					Prepared: 01/28/25 Analyzed: 01/29/25
Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	56-156	0.340	20	
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

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 (2505057-BLK1)									Prepared: 01/28/25 Analyzed: 01/28/25
Chloride	ND	20.0							
LCS (2505057-BS1)									Prepared: 01/28/25 Analyzed: 01/28/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2505057-MS1)				**Source: E501195-05**					Prepared: 01/28/25 Analyzed: 01/28/25
Chloride	331	20.0	250	65.9	106	80-120			
Matrix Spike Dup (2505057-MSD1)				**Source: E501195-05**					Prepared: 01/28/25 Analyzed: 01/28/25
Chloride	329	20.0	250	65.9	105	80-120	0.636	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/3/2025 2:48:00PM

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 (2505058-BLK1)									Prepared: 01/28/25 Analyzed: 01/29/25
Chloride	ND	20.0							
LCS (2505058-BS1)									Prepared: 01/28/25 Analyzed: 01/29/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2505058-MS1)				**Source: E501194-22**					Prepared: 01/28/25 Analyzed: 01/29/25
Chloride	1560	20.0	250	1150	164	80-120			M4
Matrix Spike Dup (2505058-MSD1)				**Source: E501194-22**					Prepared: 01/28/25 Analyzed: 01/29/25
Chloride	1420	20.0	250	1150	107	80-120	9.51	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/03/25 14:48

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E501195	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23033-0002		+
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
1110	1/24/25	Soil	1	FS01 - 8'		1						X						
1111	"	"	"	02		2						+						
1112	"	"	"	03		3						+						
1113	"	"	"	04		4						+						
1114	"	"	"	05		5						+						
1115	"	"	"	06		6						+						
1116	"	"	"	07		7						+						
1117	"	"	"	08 - 7'		8						+						
1118	"	"	"	09		9						+						
1119	"	"	"	10		10						+						

EPA Program			
SDWA	CWA	RCRA	
Compliance	Y	or	N
PWSID #			

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

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: Israel Estrella and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	1/27/25	7:20	Michelle Gonzales	1.27.25	0805
Michelle Gonzales	1-27-25	1600	[signature]	1.27.25	1615
[signature]	1.27.25	2230	Caitlin Mars	1.28.25	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.

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E501195	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1120	1/24/25	Soil	1	FS 11 - 7'		11						+			
1121				12 - 7'		12						+			
1122				13 - 7'		13						+			
1123				14 - 8'		14						+			
1128				15		15						+			
1131				18		16						X			
1132				19		17						X			
1136				23		18						X			
1136				24 - 7'		19						X			
1137				25 - 7'		20						+			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	1/27/25	7:20	Michelle Gonzales	1-27-25	0720
Michelle Gonzales	1-27-25	1600		1.27.25	1615
	1.27.25	2230	Caitlin Mason	1.28.25	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.

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E501195	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23C03-0002	+	+
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
1145	1/24/25	Soil	1	FS 28 - 7'		21						+						
1148	1/24/25	Soil	1	FS 31 - 8'		22						+						
1149	1/24/25	Soil	1	FS 32 - 8'		23						+						
				+														

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	1/27/25	7:20	Michelle Gonzales	1.27.25	0720
Michelle Gonzales	1-27-25	1600	[signature]	1.27.25	1615
[signature]	1.27.25	2230	Caitlin Mars	1.28.25	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 Analytical Laboratory

Printed: 1/28/2025 9:33:07AM

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:	01/28/25 07:45	Work Order ID:	E501195
Phone:	(972) 371-5200	Date Logged In:	01/27/25 16:23	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	02/03/25 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:	Desoto Springs Recycling Pond
Work Order:	E501216
Job Number:	23003-0002
Received:	1/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/4/25

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: 2/4/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E501216
Date Received: 1/29/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/29/2025 7:15:00AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/04/25 14:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS16-9'	E501216-01A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS17-9'	E501216-02A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS20-9'	E501216-03A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS21-9'	E501216-04A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS22-9'	E501216-05A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS33-2'	E501216-06A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS34-2'	E501216-07A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS35-2'	E501216-08A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS36-2'	E501216-09A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS37-2'	E501216-10A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS38-2'	E501216-11A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS39-2'	E501216-12A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS40-2'	E501216-13A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS41-2'	E501216-14A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS26-7'	E501216-15A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS27-7'	E501216-16A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS29-7'	E501216-17A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS30-7'	E501216-18A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS42-2'	E501216-19A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS43-2'	E501216-20A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS44-2'	E501216-21A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS45-2'	E501216-22A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS46-2'	E501216-23A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS47-2'	E501216-24A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.
FS48-2'	E501216-25A	Soil	01/27/25	01/29/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS16-9'

E501216-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.6 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**27.5**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS17-9'

E501216-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.4 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**20.5**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS20-9'

E501216-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.3 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**43.3**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS21-9'

E501216-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.3 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*62.5 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**32.6**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS22-9'

E501216-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.9 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**52.6**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS33-2'

E501216-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.8 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	ND	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS34-2'

E501216-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.5 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	ND	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS35-2'

E501216-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.8 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**29.6**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS36-2'

E501216-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.9 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**33.1**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS37-2'

E501216-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.4 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**41.0**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS38-2'

E501216-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.7 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**58.8**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS39-2'

E501216-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.8 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	ND	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS40-2'

E501216-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**26.9**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS41-2'

E501216-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.9 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**43.3**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS26-7'

E501216-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.5 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**112**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS27-7'

E501216-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**111**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS29-7'

E501216-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**123**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS30-7'

E501216-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**68.8**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS42-2'

E501216-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**50.3**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS43-2'

E501216-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Benzene	ND	0.0250	1	01/29/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/31/25	
Toluene	ND	0.0250	1	01/29/25	01/31/25	
o-Xylene	ND	0.0250	1	01/29/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.4 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505081
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*01/29/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505087
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505107
Chloride	**25.1**	20.0	1	01/30/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS44-2'

E501216-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Benzene	ND	0.0250	1	01/29/25	01/30/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/30/25	
Toluene	ND	0.0250	1	01/29/25	01/30/25	
o-Xylene	ND	0.0250	1	01/29/25	01/30/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/30/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505095
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505096
Chloride	**24.5**	20.0	1	01/29/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS45-2'

E501216-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Benzene	ND	0.0250	1	01/29/25	01/30/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/30/25	
Toluene	ND	0.0250	1	01/29/25	01/30/25	
o-Xylene	ND	0.0250	1	01/29/25	01/30/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/30/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505095
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505096
Chloride	**25.0**	20.0	1	01/29/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS46-2'

E501216-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Benzene	ND	0.0250	1	01/29/25	01/30/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/30/25	
Toluene	ND	0.0250	1	01/29/25	01/30/25	
o-Xylene	ND	0.0250	1	01/29/25	01/30/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/30/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505095
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505096
Chloride	**23.7**	20.0	1	01/29/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS47-2'

E501216-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Benzene	ND	0.0250	1	01/29/25	01/30/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/30/25	
Toluene	ND	0.0250	1	01/29/25	01/30/25	
o-Xylene	ND	0.0250	1	01/29/25	01/30/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/30/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505095
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505096
Chloride	ND	20.0	1	01/29/25	01/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

FS48-2'

E501216-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Benzene	ND	0.0250	1	01/29/25	01/30/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/30/25	
Toluene	ND	0.0250	1	01/29/25	01/30/25	
o-Xylene	ND	0.0250	1	01/29/25	01/30/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/30/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*96.5 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505073
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/30/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*01/29/25*	*01/30/25*	
Surrogate: Toluene-d8		*96.5 %*	*70-130*	*01/29/25*	*01/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505095
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/30/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/29/25*	*01/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505096
Chloride	ND	20.0	1	01/29/25	01/30/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

Volatile Organic Compounds by EPA 8260B

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 (2505073-BLK1)									Prepared: 01/29/25 Analyzed: 01/30/25
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: Bromofluorobenzene	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.480*		*0.500*		*95.9*	*70-130*			
LCS (2505073-BS1)									Prepared: 01/29/25 Analyzed: 01/30/25
Benzene	2.66	0.0250	2.50		106	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.55	0.0250	2.50		102	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.57	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.472*		*0.500*		*94.3*	*70-130*			
Matrix Spike (2505073-MS1)				**Source: E501205-23**					Prepared: 01/29/25 Analyzed: 01/30/25
Benzene	2.56	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.51	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.55	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.476*		*0.500*		*95.1*	*70-130*			
Surrogate: Toluene-d8	*0.481*		*0.500*		*96.1*	*70-130*			
Matrix Spike Dup (2505073-MSD1)				**Source: E501205-23**					Prepared: 01/29/25 Analyzed: 01/30/25
Benzene	2.56	0.0250	2.50	ND	102	48-131	0.156	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.4	45-135	2.58	27	
Toluene	2.46	0.0250	2.50	ND	98.5	48-130	3.02	24	
o-Xylene	2.49	0.0250	2.50	ND	99.6	43-135	0.800	27	
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135	0.667	27	
Total Xylenes	7.50	0.0250	7.50	ND	100	43-135	0.711	27	
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.474*		*0.500*		*94.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

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 (2505081-BLK1)									Prepared: 01/29/25 Analyzed: 01/30/25
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	*6.92*		*8.00*		*86.5*	*70-130*			
LCS (2505081-BS1)									Prepared: 01/29/25 Analyzed: 01/30/25
Benzene	4.91	0.0250	5.00		98.1	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.0	70-130			
Toluene	4.83	0.0250	5.00		96.6	70-130			
o-Xylene	4.69	0.0250	5.00		93.7	70-130			
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.2	0.0250	15.0		94.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.99*		*8.00*		*87.4*	*70-130*			
Matrix Spike (2505081-MS1)				**Source: E501216-02**					Prepared: 01/29/25 Analyzed: 01/31/25
Benzene	4.93	0.0250	5.00	ND	98.7	54-133			
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133			
Toluene	4.83	0.0250	5.00	ND	96.6	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.50	0.0500	10.0	ND	95.0	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.83*		*8.00*		*85.4*	*70-130*			
Matrix Spike Dup (2505081-MSD1)				**Source: E501216-02**					Prepared: 01/29/25 Analyzed: 01/31/25
Benzene	4.63	0.0250	5.00	ND	92.6	54-133	6.33	20	
Ethylbenzene	4.42	0.0250	5.00	ND	88.4	61-133	5.73	20	
Toluene	4.55	0.0250	5.00	ND	91.0	61-130	6.00	20	
o-Xylene	4.40	0.0250	5.00	ND	88.0	63-131	6.16	20	
p,m-Xylene	8.98	0.0500	10.0	ND	89.8	63-131	5.62	20	
Total Xylenes	13.4	0.0250	15.0	ND	89.2	63-131	5.80	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.76*		*8.00*		*84.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

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 (2505073-BLK1)									Prepared: 01/29/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.480*		*0.500*		*95.9*	*70-130*			
LCS (2505073-BS2)									Prepared: 01/29/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	56.0	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.491*		*0.500*		*98.2*	*70-130*			
Matrix Spike (2505073-MS2)				**Source: E501205-23**					Prepared: 01/29/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	56.6	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.485*		*0.500*		*97.0*	*70-130*			
Matrix Spike Dup (2505073-MSD2)				**Source: E501205-23**					Prepared: 01/29/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130	3.56	20	
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*94.0*	*70-130*			
Surrogate: Toluene-d8	*0.485*		*0.500*		*96.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

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 (2505081-BLK1)									Prepared: 01/29/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2505081-BS2)									Prepared: 01/29/25 Analyzed: 01/30/25
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2505081-MS2)				**Source: E501216-02**					Prepared: 01/29/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	36.9	20.0	50.0	ND	73.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike Dup (2505081-MSD2)				**Source: E501216-02**					Prepared: 01/29/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	ND	81.5	70-130	9.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

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 (2505087-BLK1)									Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*61-141*			
LCS (2505087-BS1)									Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	285	25.0	250		114	66-144			
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			
Matrix Spike (2505087-MS1)				**Source: E501216-09**					Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*61-141*			
Matrix Spike Dup (2505087-MSD1)				**Source: E501216-09**					Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	0.393	20	
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

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 (2505095-BLK1)									Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*61-141*			
LCS (2505095-BS1)									Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.2	66-144			
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*61-141*			
Matrix Spike (2505095-MS1)				**Source: E501216-23**					Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	56-156			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2505095-MSD1)				**Source: E501216-23**					Prepared: 01/29/25 Analyzed: 01/30/25
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.6	56-156	3.03	20	
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

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 (2505096-BLK1)									Prepared: 01/29/25 Analyzed: 01/30/25
Chloride	ND	20.0							
LCS (2505096-BS1)									Prepared: 01/29/25 Analyzed: 01/30/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2505096-MS1)				**Source: E501211-03**					Prepared: 01/29/25 Analyzed: 01/30/25
Chloride	268	20.0	250	ND	107	80-120			
Matrix Spike Dup (2505096-MSD1)				**Source: E501211-03**					Prepared: 01/29/25 Analyzed: 01/30/25
Chloride	268	20.0	250	ND	107	80-120	0.0758	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/4/2025 2:02:57PM

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 (2505107-BLK1)									Prepared: 01/30/25 Analyzed: 01/30/25
Chloride	ND	20.0							
LCS (2505107-BS1)									Prepared: 01/30/25 Analyzed: 01/31/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2505107-MS1)				**Source: E501216-04**					Prepared: 01/30/25 Analyzed: 01/30/25
Chloride	290	20.0	250	32.6	103	80-120			
Matrix Spike Dup (2505107-MSD1)				**Source: E501216-04**					Prepared: 01/30/25 Analyzed: 01/30/25
Chloride	288	20.0	250	32.6	102	80-120	0.579	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/04/25 14:02

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E501216	Job Number 23B3-0002	1D 2D 3D Std: x	NM: x CO UT TX
Project: Desoto Springs Recycling Pond	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
10:09	1/27/25	S	1	FS16 - 9'		1						X						
10:10	"	S	1	FS17 -9'		2						X						
10:11	"	S	1	FS20 -9'		3						X						
10:12	"	S	1	FS 21 - 9'		4						X						
10:13	"	S	1	FS22 - 9'		5						X						
10:15	"	S	1	FS33 - 2'		6						X						
10:45	"	S	1	FS34 - 2'		7						X						
10:46	"	S	1	FS35 - 2'		8						X						
10:47	"	S	1	FS36 - 2'		9						X						
10:49	"	S	1	FS37 - 2'		10						X						

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

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

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: Israel Estrella / Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/28/25	7:20	Michelle Gonzales	1-28-25	0720
Michelle Gonzales	1-28-25	1730	[signature]	1.28.25	1730
[signature]	1.28.25	2330	[signature]	1.29.25	715
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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E501216	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
10:50	1/27/25	S	1	FS38 - 2'		11						X						
10:54			1	FS39 - 2'		12						X						
10:55			1	FS40 - 2'		13						X						
10:56			1	FS41 - 2'		14						X						
11:10			1	FS26 - 7'		15						X						
11:11			1	FS27 - 7'		16						X						
11:12			1	FS29 - 7'		17						X						
11:13			1	FS30 - 7'		18						X						
10:50			1	FS42 - 2'		19						X						
10:51			1	FS43 - 2'		20						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

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

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: Israel Estrella / Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/28/25	7:20	Michelle Gonzales	1-28-25	0720
Michelle Gonzales	1-28-25	1730		1.28.25	1730
	1.28.25	2330		1.29.25	715

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E501216	Job Number 25103.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
11:00	1/27/25	S	1	FS 44 - 2'		21						X						
11:01			1	FS 45 - 2'		22						X						
11:49			1	FS 46 - 2'		23						X						
11:53			1	FS 47 - 2'		24						X						
11:55			1	FS 48 - 2'		25						X						
			1									X						
			1									X						
			1									X						
			1	+								X						
			1									X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

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

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: Israel Estrella / Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/28/25	7:20	Michelle Gonzales	1-2825	0720
Michelle Gonzales	1-28-25	1730		1.28.25	1730
	1.28.25	2330		1.29.25	715

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: 1/29/2025 8:23:47AM

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:	01/29/25 07:15	Work Order ID:	E501216
Phone:	(972) 371-5200	Date Logged In:	01/29/25 07:35	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/04/25 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

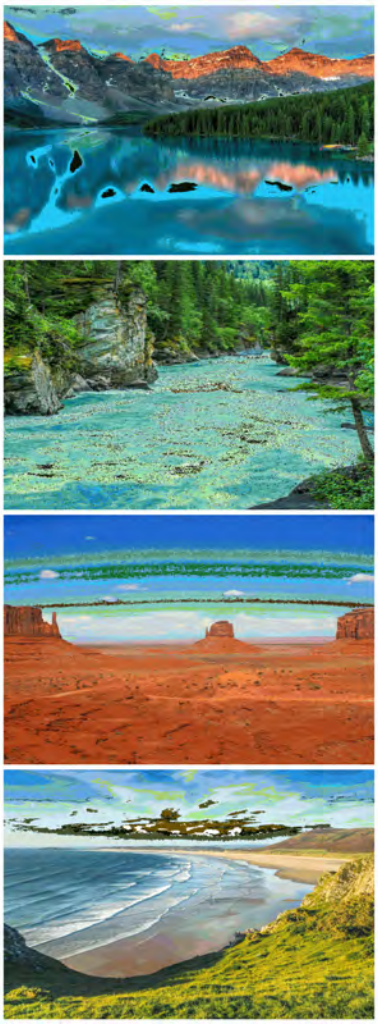
Signature of client authorizing changes to the COC or sample disposition.

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:	Desoto Springs Recycling Pond
Work Order:	E501234
Job Number:	23003-0002
Received:	1/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/25

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: 2/5/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E501234
Date Received: 1/31/2025 5:30:49AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 5:30:49AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/05/25 12:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-2'	E501234-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW02-2'	E501234-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW03-8'	E501234-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW04-8'	E501234-04A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW05-8'	E501234-05A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW06-8'	E501234-06A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW07-8'	E501234-07A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW08-8'	E501234-08A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW09-7'	E501234-09A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW10-7'	E501234-10A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW11-7'	E501234-11A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW12-7'	E501234-12A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW13-7'	E501234-13A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW14-7'	E501234-14A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW15-2'	E501234-15A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW16-6'	E501234-16A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
SW17-6'	E501234-17A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW01-2'

E501234-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**77.1**	20.0	1	01/31/25	01/31/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW02-2'

E501234-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**27.1**	20.0	1	01/31/25	01/31/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW03-8'

E501234-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**132**	20.0	1	01/31/25	01/31/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW04-8'

E501234-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**20.5**	20.0	1	01/31/25	01/31/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW05-8'

E501234-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW06-8'

E501234-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW07-8'

E501234-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**40.2**	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW08-8'

E501234-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW09-7'

E501234-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW10-7'

E501234-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW11-7'

E501234-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*94.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*94.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW12-7'

E501234-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW13-7'

E501234-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	ND	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW14-7'

E501234-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*94.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*94.1 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**58.2**	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW15-2'

E501234-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*01/31/25*	*01/31/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*01/31/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**36.8**	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW16-6'

E501234-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/31/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/31/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**50.0**	20.0	1	01/31/25	02/01/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

SW17-6'

E501234-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*01/31/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505127
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*01/31/25*	*02/01/25*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*01/31/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505139
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505133
Chloride	**84.5**	20.0	1	01/31/25	02/01/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

Volatile Organic Compounds by EPA 8260B

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 (2505127-BLK1)									Prepared: 01/31/25 Analyzed: 01/31/25
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: Bromofluorobenzene	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
LCS (2505127-BS1)									Prepared: 01/31/25 Analyzed: 01/31/25
Benzene	2.39	0.0250	2.50		95.8	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.2	70-130			
Toluene	2.48	0.0250	2.50		99.4	70-130			
o-Xylene	2.43	0.0250	2.50		97.1	70-130			
p,m-Xylene	5.05	0.0500	5.00		101	70-130			
Total Xylenes	7.48	0.0250	7.50		99.7	70-130			
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike (2505127-MS1)				**Source: E501234-04**					Prepared: 01/31/25 Analyzed: 01/31/25
Benzene	2.40	0.0250	2.50	ND	95.9	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.0	45-135			
Toluene	2.48	0.0250	2.50	ND	99.4	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.1	43-135			
p,m-Xylene	4.99	0.0500	5.00	ND	99.7	43-135			
Total Xylenes	7.39	0.0250	7.50	ND	98.5	43-135			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2505127-MSD1)				**Source: E501234-04**					Prepared: 01/31/25 Analyzed: 01/31/25
Benzene	2.36	0.0250	2.50	ND	94.4	48-131	1.51	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.0	45-135	2.10	27	
Toluene	2.44	0.0250	2.50	ND	97.7	48-130	1.68	24	
o-Xylene	2.38	0.0250	2.50	ND	95.4	43-135	0.773	27	
p,m-Xylene	4.96	0.0500	5.00	ND	99.2	43-135	0.553	27	
Total Xylenes	7.34	0.0250	7.50	ND	97.9	43-135	0.625	27	
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

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 (2505127-BLK1)									Prepared: 01/31/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
LCS (2505127-BS2)									Prepared: 01/31/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike (2505127-MS2)				**Source: E501234-04**					Prepared: 01/31/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2505127-MSD2)				**Source: E501234-04**					Prepared: 01/31/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	0.767	20	
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

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 (2505139-BLK1)									Prepared: 01/31/25 Analyzed: 01/31/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
LCS (2505139-BS1)									Prepared: 01/31/25 Analyzed: 01/31/25
Diesel Range Organics (C10-C28)	242	25.0	250		97.0	66-144			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
Matrix Spike (2505139-MS1)				**Source: E501234-13**					Prepared: 01/31/25 Analyzed: 02/01/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156			
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*61-141*			
Matrix Spike Dup (2505139-MSD1)				**Source: E501234-13**					Prepared: 01/31/25 Analyzed: 02/01/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	56-156	0.499	20	
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 12:16:27PM

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 (2505133-BLK1)									Prepared: 01/31/25 Analyzed: 01/31/25
Chloride	ND	20.0							
LCS (2505133-BS1)									Prepared: 01/31/25 Analyzed: 01/31/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2505133-MS1)				**Source: E501234-04**					Prepared: 01/31/25 Analyzed: 01/31/25
Chloride	273	20.0	250	20.5	101	80-120			
Matrix Spike Dup (2505133-MSD1)				**Source: E501234-04**					Prepared: 01/31/25 Analyzed: 01/31/25
Chloride	273	20.0	250	20.5	101	80-120	0.0165	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/05/25 12:16

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# ES01234	Job Number 23003-0002	1D 2D 3D Std: x	NM: x CO UT TX
Project: Desoto Springs Recycling Pond	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
1145	1/29/25	Soil	1	SW01-2'		1						X						
1147				D2-2'		2						X						
1149				03-8'		3						X						
1151				04		4						X						
1153				05		5						X						
1155				06		6						X						
1157				07		7						X						
1159				08		8						X						
1201				09 7'		9						X						
1203				10 7'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella / ~~Oluwale Aderinto~~

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/30/25	7:30	Michelle Gonzales	1-30-25	0730
Michelle Gonzales	1-30-25	1630	[signature]	1.30.25	1630
[signature]	1.30.25	2330	Mayah N Hall	1-31-25	0530
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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E501234	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003-0002		
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
1205	1/29/25	Soil	1	SW11 -7'		11						X						
1207	↓	↓	↓	12		12						X						
1208				13		13						X						
1209				14		14						X						
1210				15-2'		15						X						
1212				14-6'		16						X						
1214	↓	↓	↓	17-6'		17						X						
												X						
				+								X						
												X						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella / ~~Oluwale Aderinto~~

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/30/25	7:30	Michelle Gonzales	1.30.25	0730
Michelle Gonzales	1.30.25	1630		1.30.25	1630
	1.30.25	2330	Mayleth N Hall	1-31-25	0530

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 Analytical Laboratory

Printed: 1/31/2025 9:37:35AM

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:	01/31/25 05:30	Work Order ID:	E501234
Phone:	(972) 371-5200	Date Logged In:	01/30/25 16:04	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/06/25 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?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo









5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Desoto Springs Recycling Pond
Work Order:	E502008
Job Number:	23003-0002
Received:	2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/10/25

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: 2/10/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502008
Date Received: 2/4/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Field Offices:

Southern New Mexico Area

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ljarboe@envirotech-inc.com

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Client Representative
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/10/25 11:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS54 @ 2'	E502008-01A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 11:36:37AM

FS54 @ 2'

E502008-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506031
Benzene	ND	0.0250	1	02/04/25	02/05/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/05/25	
Toluene	ND	0.0250	1	02/04/25	02/05/25	
o-Xylene	ND	0.0250	1	02/04/25	02/05/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/05/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/05/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*02/04/25*	*02/05/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506031
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*02/04/25*	*02/05/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506029
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		*96.0 %*	*61-141*	*02/04/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506027
Chloride	**153**	20.0	1	02/04/25	02/04/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 11:36:37AM

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 (2506031-BLK1)									Prepared: 02/04/25 Analyzed: 02/05/25
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	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2506031-BS1)									Prepared: 02/04/25 Analyzed: 02/07/25
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.69*		*8.00*		*83.7*	*70-130*			
Matrix Spike (2506031-MS1)				**Source: E502013-03**					Prepared: 02/04/25 Analyzed: 02/07/25
Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133			
Toluene	5.31	0.0250	5.00	ND	106	61-130			
o-Xylene	5.20	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.61*		*8.00*		*82.6*	*70-130*			
Matrix Spike Dup (2506031-MSD1)				**Source: E502013-03**					Prepared: 02/04/25 Analyzed: 02/07/25
Benzene	5.40	0.0250	5.00	ND	108	54-133	1.69	20	
Ethylbenzene	5.34	0.0250	5.00	ND	107	61-133	2.00	20	
Toluene	5.40	0.0250	5.00	ND	108	61-130	1.78	20	
o-Xylene	5.31	0.0250	5.00	ND	106	63-131	1.94	20	
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	1.88	20	
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131	1.90	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.77*		*8.00*		*84.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 11:36:37AM

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 (2506031-BLK1)									Prepared: 02/04/25 Analyzed: 02/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.93*		*8.00*		*86.6*	*70-130*			
LCS (2506031-BS2)									Prepared: 02/04/25 Analyzed: 02/05/25
Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.8*	*70-130*			
Matrix Spike (2506031-MS2)				**Source: E502013-03**					Prepared: 02/04/25 Analyzed: 02/05/25
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.92*		*8.00*		*86.5*	*70-130*			
Matrix Spike Dup (2506031-MSD2)				**Source: E502013-03**					Prepared: 02/04/25 Analyzed: 02/05/25
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.02*		*8.00*		*87.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 11:36:37AM

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 (2506029-BLK1)									Prepared: 02/04/25 Analyzed: 02/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.3*		*50.0*		*96.5*	*61-141*			
LCS (2506029-BS1)									Prepared: 02/04/25 Analyzed: 02/05/25
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	66-144			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*61-141*			
Matrix Spike (2506029-MS1)				**Source: E502006-03**					Prepared: 02/04/25 Analyzed: 02/05/25
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.2	56-156			
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*61-141*			
Matrix Spike Dup (2506029-MSD1)				**Source: E502006-03**					Prepared: 02/04/25 Analyzed: 02/05/25
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	3.99	20	
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 11:36:37AM

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 (2506027-BLK1)									Prepared: 02/04/25 Analyzed: 02/04/25
Chloride	ND	20.0							
LCS (2506027-BS1)									Prepared: 02/04/25 Analyzed: 02/04/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506027-MS1)				**Source: E502003-02**					Prepared: 02/04/25 Analyzed: 02/04/25
Chloride	259	20.0	250	ND	103	80-120			
Matrix Spike Dup (2506027-MSD1)				**Source: E502003-02**					Prepared: 02/04/25 Analyzed: 02/04/25
Chloride	258	20.0	250	ND	103	80-120	0.158	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/10/25 11:36

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502068	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23030002	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
11:03	1/31/2025	S	1	FS54 @ 2'		1						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, Ouwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2-3-25	0800	Michelle Gonzales	2.3.25	0800
Michelle Gonzales	2.3.25	1545	Richard Gonzales	2-3-25	1545
Richard Gonzales	2-3-25	2245	Caitlin Mars	2.4.25	0:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/4/2025 8:05:22AM

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:	02/04/25 06:30	Work Order ID:	E502008
Phone:	(972) 371-5200	Date Logged In:	02/03/25 15:28	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	02/10/25 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? 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

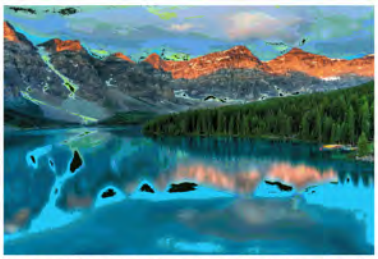
Signature of client authorizing changes to the COC or sample disposition.

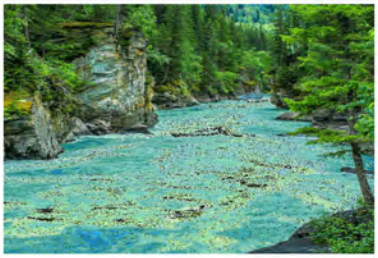
Date

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:	Desoto Springs Recycling Pond
Work Order:	E502029
Job Number:	23003-0002
Received:	2/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/25

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/11/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502029
Date Received: 2/5/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/5/2025 7:30:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/11/25 08:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS61 @ 2'	E502029-01A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
FS62 @ 2'	E502029-02A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
FS63 @ 2'	E502029-03A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
FS64 @ 2'	E502029-04A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
FS67 @ 2'	E502029-05A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
FS68 @ 2'	E502029-06A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

FS61 @ 2'

E502029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/06/25*	*02/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2506056
Chloride	**71.8**	20.0	1	02/05/25	02/05/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

FS62 @ 2'

E502029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/06/25*	*02/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2506056
Chloride	**52.7**	20.0	1	02/05/25	02/05/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

FS63 @ 2'

E502029-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506095
Diesel Range Organics (C10-C28)	**33.7**	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/06/25*	*02/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2506056
Chloride	**103**	20.0	1	02/05/25	02/05/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

FS64 @ 2'

E502029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/06/25*	*02/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2506056
Chloride	**122**	20.0	1	02/05/25	02/05/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

FS67 @ 2'

E502029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/05/25*	*02/07/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*02/05/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*02/06/25*	*02/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2506056
Chloride	**71.9**	20.0	1	02/05/25	02/05/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

FS68 @ 2'

E502029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/08/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/08/25	
Toluene	ND	0.0250	1	02/05/25	02/08/25	
o-Xylene	ND	0.0250	1	02/05/25	02/08/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/08/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/08/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/05/25*	*02/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/05/25*	*02/08/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/05/25*	*02/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/08/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/05/25*	*02/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/05/25*	*02/08/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*02/05/25*	*02/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/06/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/06/25*	*02/06/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2506056
Chloride	**131**	20.0	1	02/05/25	02/05/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

Volatile Organic Compounds by EPA 8260B

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 (2506049-BLK1)									Prepared: 02/05/25 Analyzed: 02/07/25
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: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
LCS (2506049-BS1)									Prepared: 02/05/25 Analyzed: 02/07/25
Benzene	2.15	0.0250	2.50		86.0	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.4	70-130			
Toluene	2.31	0.0250	2.50		92.6	70-130			
o-Xylene	2.25	0.0250	2.50		89.8	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.1	70-130			
Total Xylenes	6.95	0.0250	7.50		92.7	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike (2506049-MS1)				**Source: E502028-05**					Prepared: 02/05/25 Analyzed: 02/07/25
Benzene	2.22	0.0250	2.50	ND	88.9	48-131			
Ethylbenzene	2.37	0.0250	2.50	ND	94.9	45-135			
Toluene	2.46	0.0250	2.50	ND	98.2	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.0	43-135			
p,m-Xylene	4.89	0.0500	5.00	ND	97.8	43-135			
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135			
Surrogate: Bromofluorobenzene	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2506049-MSD1)				**Source: E502028-05**					Prepared: 02/05/25 Analyzed: 02/07/25
Benzene	2.10	0.0250	2.50	ND	84.1	48-131	5.57	23	
Ethylbenzene	2.22	0.0250	2.50	ND	88.6	45-135	6.87	27	
Toluene	2.27	0.0250	2.50	ND	90.9	48-130	7.76	24	
o-Xylene	2.24	0.0250	2.50	ND	89.4	43-135	3.90	27	
p,m-Xylene	4.69	0.0500	5.00	ND	93.9	43-135	4.13	27	
Total Xylenes	6.93	0.0250	7.50	ND	92.4	43-135	4.06	27	
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

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 (2506049-BLK1)									Prepared: 02/05/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
LCS (2506049-BS2)									Prepared: 02/05/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			
Matrix Spike (2506049-MS2)				**Source: E502028-05**					Prepared: 02/05/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2506049-MSD2)				**Source: E502028-05**					Prepared: 02/05/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130	5.71	20	
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

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 (2506095-BLK1)									Prepared: 02/06/25 Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*61-141*			
LCS (2506095-BS1)									Prepared: 02/06/25 Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	254	25.0	250		101	66-144			
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*61-141*			
LCS Dup (2506095-BSD1)									Prepared: 02/06/25 Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144	10.1	20	
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 8:50:50AM

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 (2506056-BLK1)									Prepared: 02/05/25 Analyzed: 02/05/25
Chloride	ND	20.0							
LCS (2506056-BS1)									Prepared: 02/05/25 Analyzed: 02/05/25
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2506056-MS1)				**Source: E502028-04**					Prepared: 02/05/25 Analyzed: 02/05/25
Chloride	460	20.0	250	236	89.5	80-120			
Matrix Spike Dup (2506056-MSD1)				**Source: E502028-04**					Prepared: 02/05/25 Analyzed: 02/05/25
Chloride	472	20.0	250	236	94.3	80-120	2.58	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/11/25 08:50

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502029	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1016	2-3-25	S	1	FS 61 @ 2'		1						X			
1011	2-3-25	S	1	FS 62 @ 2'		2						X			
1029	2-3-25	S	1	FS 63 @ 2'		3						X			
1414	2-3-25	S	1	FS 64 @ 2'		4						X			
1036	2-3-25	S	1	FS 67 @ 2'		5						X			
1039	2-3-25	S	1	FS 68 @ 2'		6						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
	2-4-25	0800	Michelle Gonzales	2-4-25	0800
Michelle Gonzales	2-4-25	1530		2.4.25	1615
	2.4.25	2200	Caitlin Mars	2.5.25	730
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: 2/5/2025 8:25:59AM

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:	02/05/25 07:30	Work Order ID:	E502029
Phone:	(972) 371-5200	Date Logged In:	02/04/25 14:45	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/11/25 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:	Desoto Springs Recycling Pond
Work Order:	E502045
Job Number:	23003-0002
Received:	2/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/25

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: 2/11/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502045
Date Received: 2/6/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/6/2025 6:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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

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Laboratory Administrator
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mgonzales@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/11/25 10:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS60-2'	E502045-01A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS65-2'	E502045-02A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS66-2'	E502045-03A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS70-2'	E502045-04A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS71-3'	E502045-05A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS72-3'	E502045-06A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
FS74-3'	E502045-07A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

FS60-2'

E502045-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*02/06/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506096
Chloride	**344**	20.0	1	02/06/25	02/06/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

FS65-2'

E502045-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*02/06/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506096
Chloride	**53.4**	20.0	1	02/06/25	02/06/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

FS66-2'

E502045-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/06/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506096
Chloride	**370**	20.0	1	02/06/25	02/06/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

FS70-2'

E502045-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*02/06/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506096
Chloride	**154**	20.0	1	02/06/25	02/06/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

FS71-3'

E502045-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*02/06/25*	*02/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/06/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506096
Chloride	**435**	20.0	1	02/06/25	02/06/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

FS72-3'

E502045-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/10/25	
Toluene	ND	0.0250	1	02/06/25	02/10/25	
o-Xylene	ND	0.0250	1	02/06/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*75.2 %*	*70-130*	*02/06/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/06/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/06/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506096
Chloride	**233**	20.0	1	02/06/25	02/06/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

FS74-3'

E502045-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Benzene	ND	0.0250	1	02/06/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/10/25	
Toluene	ND	0.0250	1	02/06/25	02/10/25	
o-Xylene	ND	0.0250	1	02/06/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.3 %*	*70-130*	*02/06/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506088
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/06/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506097
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*02/06/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506096
Chloride	**87.4**	20.0	1	02/06/25	02/06/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

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 (2506088-BLK1)									Prepared: 02/06/25 Analyzed: 02/07/25
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	*6.12*		*8.00*		*76.5*	*70-130*			
LCS (2506088-BS1)									Prepared: 02/06/25 Analyzed: 02/07/25
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.53*		*8.00*		*81.6*	*70-130*			
Matrix Spike (2506088-MS1)				**Source: E502043-06**					Prepared: 02/06/25 Analyzed: 02/07/25
Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133			
Toluene	5.07	0.0250	5.00	ND	101	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.81*		*8.00*		*85.1*	*70-130*			
Matrix Spike Dup (2506088-MSD1)				**Source: E502043-06**					Prepared: 02/06/25 Analyzed: 02/07/25
Benzene	5.29	0.0250	5.00	ND	106	54-133	4.45	20	
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133	4.55	20	
Toluene	5.29	0.0250	5.00	ND	106	61-130	4.34	20	
o-Xylene	5.23	0.0250	5.00	ND	105	63-131	4.42	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	4.51	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	4.48	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

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 (2506088-BLK1)									Prepared: 02/06/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.7*	*70-130*			
LCS (2506088-BS2)									Prepared: 02/06/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.4*	*70-130*			
Matrix Spike (2506088-MS2)				**Source: E502043-06**					Prepared: 02/06/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.01*		*8.00*		*87.6*	*70-130*			
Matrix Spike Dup (2506088-MSD2)				**Source: E502043-06**					Prepared: 02/06/25 Analyzed: 02/07/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.7	70-130	3.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

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 (2506097-BLK1)									Prepared: 02/06/25 Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*61-141*			
LCS (2506097-BS1)									Prepared: 02/06/25 Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
Matrix Spike (2506097-MS1)				**Source: E502043-10**					Prepared: 02/06/25 Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*61-141*			
Matrix Spike Dup (2506097-MSD1)				**Source: E502043-10**					Prepared: 02/06/25 Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	56-156	5.43	20	
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 10:51:30AM

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 (2506096-BLK1)									Prepared: 02/06/25 Analyzed: 02/06/25
Chloride	ND	20.0							
LCS (2506096-BS1)									Prepared: 02/06/25 Analyzed: 02/06/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506096-MS1)				**Source: E502045-05**					Prepared: 02/06/25 Analyzed: 02/06/25
Chloride	692	20.0	250	435	103	80-120			
Matrix Spike Dup (2506096-MSD1)				**Source: E502045-05**					Prepared: 02/06/25 Analyzed: 02/06/25
Chloride	691	20.0	250	435	103	80-120	0.0767	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/11/25 10:51

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E502045	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003.0002		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

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
1133	2/4/25	soil	1	FS60-2'		1						X						
1135				65		2						X						
1137				66		3						X						
1141				70		4						X						
1144				71-3'		5						X						
1143				72		6						X						
1146				74		7						X						
				+														

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: [signature]

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/5/25	7:35	Michelle Gonzales	2.5.25	1045
Michelle Gonzales	2-5-25	1600	[signature]	2-5-25	1600
[signature]	2-5-25	2130	Caitlin Hamilton	2.6.25	0600

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: 2/6/2025 9:48:12AM

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:	02/06/25 06:00	Work Order ID:	E502045
Phone:	(972) 371-5200	Date Logged In:	02/05/25 15:19	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/12/25 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?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

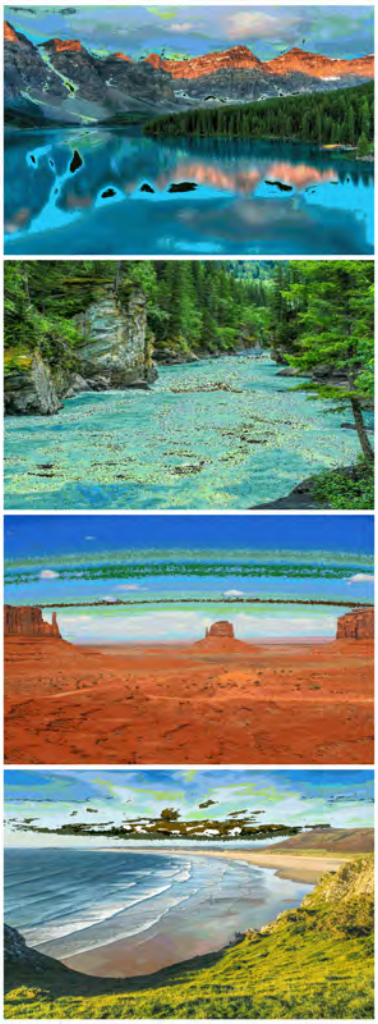
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Desoto Springs Recycling Pond
Work Order:	E502054
Job Number:	23003-0002
Received:	2/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/13/25

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: 2/13/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502054
Date Received: 2/7/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2025 7:30:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/13/25 16:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS78-2'	E502054-01A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS79-2'	E502054-02A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS80-2'	E502054-03A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS81-2'	E502054-04A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS82-1'	E502054-05A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS85-1'	E502054-06A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS86-2'	E502054-07A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS87-2'	E502054-08A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS88-2'	E502054-09A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS89-2'	E502054-10A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS90-2'	E502054-11A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS91-2'	E502054-12A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS92-2'	E502054-13A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS93-2'	E502054-14A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS78-2'

E502054-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*93.4 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**75.5**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS79-2'

E502054-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*90.6 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**175**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS80-2'

E502054-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*89.5 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**127**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS81-2'

E502054-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.5 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	ND	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS82-1'

E502054-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.1 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*97.0 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**106**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS85-1'

E502054-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	**425**	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	**263**	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*94.1 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**431**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS86-2'

E502054-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**105**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS87-2'

E502054-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*98.9 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**119**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS88-2'

E502054-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.1 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*90.9 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**30.5**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS89-2'

E502054-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**35.5**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS90-2'

E502054-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**39.3**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS91-2'

E502054-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*95.7 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**529**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS92-2'

E502054-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**483**	20.0	1	02/07/25	02/07/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

FS93-2'

E502054-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506106
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*02/07/25*	*02/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506105
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane		*95.7 %*	*61-141*	*02/07/25*	*02/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2506111
Chloride	**298**	20.0	1	02/07/25	02/07/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

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 (2506106-BLK1)									Prepared: 02/07/25 Analyzed: 02/10/25
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	*6.02*		*8.00*		*75.2*	*70-130*			
LCS (2506106-BS1)									Prepared: 02/07/25 Analyzed: 02/10/25
Benzene	4.93	0.0250	5.00		98.6	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.92	0.0250	5.00		98.3	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.22*		*8.00*		*77.7*	*70-130*			
Matrix Spike (2506106-MS1)				**Source: E502054-04**					Prepared: 02/07/25 Analyzed: 02/10/25
Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133			
Toluene	5.08	0.0250	5.00	ND	102	61-130			
o-Xylene	5.02	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.68*		*8.00*		*83.5*	*70-130*			
Matrix Spike Dup (2506106-MSD1)				**Source: E502054-04**					Prepared: 02/07/25 Analyzed: 02/10/25
Benzene	5.47	0.0250	5.00	ND	109	54-133	8.59	20	
Ethylbenzene	5.51	0.0250	5.00	ND	110	61-133	8.89	20	
Toluene	5.54	0.0250	5.00	ND	111	61-130	8.68	20	
o-Xylene	5.47	0.0250	5.00	ND	109	63-131	8.68	20	
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131	8.71	20	
Total Xylenes	16.7	0.0250	15.0	ND	111	63-131	8.70	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.71*		*8.00*		*83.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

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 (2506106-BLK1)									Prepared: 02/07/25 Analyzed: 02/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2506106-BS2)									Prepared: 02/07/25 Analyzed: 02/10/25
Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
Matrix Spike (2506106-MS2)				**Source: E502054-04**					Prepared: 02/07/25 Analyzed: 02/10/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.5*	*70-130*			
Matrix Spike Dup (2506106-MSD2)				**Source: E502054-04**					Prepared: 02/07/25 Analyzed: 02/10/25
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.7	70-130	3.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

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 (2506105-BLK1)									Prepared: 02/07/25 Analyzed: 02/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.7*	*61-141*			
LCS (2506105-BS1)									Prepared: 02/07/25 Analyzed: 02/07/25
Diesel Range Organics (C10-C28)	249	25.0	250		99.6	66-144			
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*61-141*			
Matrix Spike (2506105-MS1)				**Source: E502054-12**					Prepared: 02/07/25 Analyzed: 02/07/25
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*61-141*			
Matrix Spike Dup (2506105-MSD1)				**Source: E502054-12**					Prepared: 02/07/25 Analyzed: 02/07/25
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	1.36	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/13/2025 4:23:01PM

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 (2506111-BLK1)									Prepared: 02/07/25 Analyzed: 02/07/25
Chloride	ND	20.0							
LCS (2506111-BS1)									Prepared: 02/07/25 Analyzed: 02/07/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2506111-MS1)				**Source: E502054-04**					Prepared: 02/07/25 Analyzed: 02/07/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2506111-MSD1)				**Source: E502054-04**					Prepared: 02/07/25 Analyzed: 02/07/25
Chloride	278	20.0	250	ND	111	80-120	6.44	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/13/25 16:23

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502054	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 03003.0002	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
1304	2/5/25	Soil	1	FS 78-2'		1						X						
1305	↓	↓	↓	79		2						X						
1306				80		3						X						
1309				81		4						X						
1310				82-1'		5						X						
1312				85		6						X						
1315				86-2'		7						X						
1316				87		8						X						
1318				88		9						X						
1320	↓	↓	↓	89		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella ~~/ Oluwale Aderinto~~

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/6/25	7:45	Michelle Gonzales	2.6.25	0745
Michelle Gonzales	2.6.25	1630	[signature]	2.6.25	1630
[signature]	2.6.25	2300	[signature]	2.7.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502054	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1321	2/5/25	Soil	1	FS90-2'		11						X						
1322	↓	↓	↓	91		12						X						
1323	↓	↓	↓	92		13						X						
1324	↓	↓	↓	93		14						X						
												X						
												X						
												X						
												X						
				+								X						
												X						

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella ~~/ Oluwale Aderinto~~

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/6/25	7:45	Michelle Gonzales	2-6-25	0745
Michelle Gonzales	2-6-25			2.6.25	1630
	2.6.25	2300		2.7.25	730

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 2/7/2025 8:34:43AM

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:	02/07/25 07:30	Work Order ID:	E502054
Phone:	(972) 371-5200	Date Logged In:	02/06/25 15:18	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/13/25 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:	Desoto Springs Recycling Pond
Work Order:	E502103
Job Number:	23003-0002
Received:	2/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/19/25

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: 2/19/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502103
Date Received: 2/13/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/13/2025 7:45:00AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/19/25 12:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS94-2'	E502103-01A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS97-2'	E502103-02A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS98-2'	E502103-03A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS100-2'	E502103-04A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS101-2'	E502103-05A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS102-2'	E502103-06A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS106-2'	E502103-07A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS113-4'	E502103-08A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS114-4'	E502103-09A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS115-4'	E502103-10A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS116-4'	E502103-11A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS117-4'	E502103-12A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS118-4'	E502103-13A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS119-4'	E502103-14A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS120-4'	E502103-15A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS121-4'	E502103-16A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS122-4'	E502103-17A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS123-4'	E502103-18A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS124-4'	E502103-19A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS125-4'	E502103-20A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.
FS127-4'	E502103-21A	Soil	02/11/25	02/13/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS94-2'

E502103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**319**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS97-2'

E502103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	**30.1**	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**412**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS98-2'

E502103-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**300**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS100-2'

E502103-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**448**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS101-2'

E502103-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**230**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS102-2'

E502103-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.5 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**179**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS106-2'

E502103-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.8 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**308**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS113-4'

E502103-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.0 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**60.5**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS114-4'

E502103-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**230**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS115-4'

E502103-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**62.8**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS116-4'

E502103-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**119**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS117-4'

E502103-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.0 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/13/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/13/25*	*02/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**103**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS118-4'

E502103-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**91.9**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS119-4'

E502103-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/13/25	
Toluene	ND	0.0250	1	02/13/25	02/13/25	
o-Xylene	ND	0.0250	1	02/13/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.6 %*	*70-130*	*02/13/25*	*02/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**51.7**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS120-4'

E502103-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.0 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**28.7**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS121-4'

E502103-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.7 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**190**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS122-4'

E502103-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.2 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**52.3**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS123-4'

E502103-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.7 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**260**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS124-4'

E502103-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.9 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**154**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS125-4'

E502103-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.1 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507090
Diesel Range Organics (C10-C28)	ND	25.0	1	02/13/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/13/25	02/14/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*02/13/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507095
Chloride	**114**	20.0	1	02/13/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

FS127-4'

E502103-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Benzene	ND	0.0250	1	02/13/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/13/25	02/14/25	
Toluene	ND	0.0250	1	02/13/25	02/14/25	
o-Xylene	ND	0.0250	1	02/13/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/13/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/13/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2507086
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/13/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*02/13/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2507112
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507088
Chloride	**364**	20.0	1	02/13/25	02/13/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507084-BLK1)									Prepared: 02/13/25 Analyzed: 02/13/25
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	*8.21*		*8.00*		*103*	*70-130*			
LCS (2507084-BS1)									Prepared: 02/13/25 Analyzed: 02/13/25
Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.23	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.60*		*8.00*		*108*	*70-130*			
Matrix Spike (2507084-MS1)				**Source: E502103-04**					Prepared: 02/13/25 Analyzed: 02/13/25
Benzene	4.89	0.0250	5.00	ND	97.9	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133			
Toluene	4.85	0.0250	5.00	ND	96.9	61-130			
o-Xylene	4.75	0.0250	5.00	ND	94.9	63-131			
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.74*		*8.00*		*109*	*70-130*			
Matrix Spike Dup (2507084-MSD1)				**Source: E502103-04**					Prepared: 02/13/25 Analyzed: 02/13/25
Benzene	5.38	0.0250	5.00	ND	108	54-133	9.55	20	
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133	9.60	20	
Toluene	5.33	0.0250	5.00	ND	107	61-130	9.54	20	
o-Xylene	5.24	0.0250	5.00	ND	105	63-131	9.81	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	9.64	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	9.70	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.93*		*8.00*		*112*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507086-BLK1)									Prepared: 02/13/25 Analyzed: 02/14/25
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	*6.99*		*8.00*		*87.3*	*70-130*			
LCS (2507086-BS1)									Prepared: 02/13/25 Analyzed: 02/14/25
Benzene	4.99	0.0250	5.00		99.9	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.3	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
o-Xylene	4.81	0.0250	5.00		96.3	70-130			
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.2*	*70-130*			
Matrix Spike (2507086-MS1)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.7*	*70-130*			
Matrix Spike Dup (2507086-MSD1)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Benzene	5.14	0.0250	5.00	ND	103	54-133	1.91	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.3	61-133	1.87	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	1.84	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	1.69	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	1.87	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	1.81	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.00*		*8.00*		*87.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507084-BLK1)									Prepared: 02/13/25 Analyzed: 02/13/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
LCS (2507084-BS2)									Prepared: 02/13/25 Analyzed: 02/13/25
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike (2507084-MS2)				**Source: E502103-04**					Prepared: 02/13/25 Analyzed: 02/13/25
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.7*	*70-130*			
Matrix Spike Dup (2507084-MSD2)				**Source: E502103-04**					Prepared: 02/13/25 Analyzed: 02/13/25
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130	6.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507086-BLK1)									Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2507086-BS2)									Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2507086-MS2)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2507086-MSD2)				**Source: E502102-04**					Prepared: 02/13/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	82.9	70-130	5.91	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507090-BLK1)									Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*61-141*			
LCS (2507090-BS1)									Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	252	25.0	250		101	66-144			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*61-141*			
Matrix Spike (2507090-MS1)				**Source: E502103-15**					Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.8	56-156			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2507090-MSD1)				**Source: E502103-15**					Prepared: 02/13/25 Analyzed: 02/13/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	101	56-156	1.67	20	
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507112-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
LCS (2507112-BS1)									Prepared: 02/14/25 Analyzed: 02/14/25
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*61-141*			
LCS Dup (2507112-BSD1)									Prepared: 02/14/25 Analyzed: 02/14/25
Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144	2.36	20	
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507088-BLK1)									Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	ND	20.0							
LCS (2507088-BS1)									Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2507088-MS1)				**Source: E502099-02**					Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	409	20.0	250	155	102	80-120			
Matrix Spike Dup (2507088-MSD1)				**Source: E502099-02**					Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	417	20.0	250	155	105	80-120	1.73	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:15:03PM

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 (2507095-BLK1)									Prepared: 02/13/25 Analyzed: 02/13/25
Chloride	ND	20.0							
LCS (2507095-BS1)									Prepared: 02/13/25 Analyzed: 02/14/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2507095-MS1)				**Source: E502103-03**					Prepared: 02/13/25 Analyzed: 02/14/25
Chloride	567	20.0	250	300	107	80-120			
Matrix Spike Dup (2507095-MSD1)				**Source: E502103-03**					Prepared: 02/13/25 Analyzed: 02/14/25
Chloride	644	20.0	250	300	137	80-120	12.7	20	M2

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/19/25 12:15

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E502103	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
9:58	2/11/2025	Soil	1	FS94 - 2'		1						X						
10:06	2/11/2025	Soil	1	FS97 - 2'		2						X						
10:10	2/11/2025	Soil	1	FS98 - 2'		3						X						
10:15	2/11/2025	Soil	1	FS100 - 2'		4						X						
10:16	2/11/2025	Soil	1	FS101 - 2'		5						X						
10:19	2/11/2025	Soil	1	FS102 - 2'		6						X						
10:38	2/11/2025	Soil	1	FS106 - 2'		7						X						
12:48	2/11/2025	Soil	1	FS113 - 4'		8						X						
12:49	2/11/2025	Soil	1	FS114 - 4'		9						X						
12:50	2/11/2025	Soil	1	FS115 - 4'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/12/25	7:00	Michelle Gonzales	2-12-25	0700
Michelle Gonzales	2-12-25	1530	Richard Gonzales	2-12-25	1530
Richard Gonzales	2-12-25	2130	Carla Ma	2.13.25	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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E502103	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
12:51	2/11/2025	Soil	1	FS116 - 4'		11						X						
12:52	2/11/2025	Soil	1	FS117 - 4'		12						X						
12:55	2/11/2025	Soil	1	FS118 - 4'		13						X						
12:56	2/11/2025	Soil	1	FS119 - 4'		14						X						
12:57	2/11/2025	Soil	1	FS120 - 4'		15						X						
12:58	2/11/2025	Soil	1	FS121 - 4'		16						X						
12:59	2/11/2025	Soil	1	FS122 - 4'		17						X						
13:00	2/11/2025	Soil	1	FS123 - 4'		18						X						
13:01	2/11/2025	Soil	1	FS124 - 4'		19						X						
13:02	2/11/2025	Soil	1	FS125 - 4'		20						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

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 Tinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Tinkle	2/12/25	7:00	Michelle Gonzales	2-12-25	0700
Michelle Gonzales	2-12-25	1530	Richard Gonzales	2-12-25	1530
Richard Gonzales	2-12-25	2130	Carla Mar	2-13-25	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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E502103	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
13:03	2/11/2025	Soil	1	FS127 - 4'		21						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

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 Tinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Tinkle	2/12/25	7:00	Michelle Gonzales	2-12-25	0700
Michelle Gonzales	2-12-25	1530	Richard Gonzales	2-12-25	1530
Richard Gonzales	2-12-25	2130	Carlos Mar	2.13.25	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: 2/13/2025 11:01:16AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	02/13/25 07:45	Work Order ID:	E502103
Phone:	(972) 371-5200	Date Logged In:	02/12/25 15:26	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/19/25 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	

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:	Desoto Springs Recycling Pond
Work Order:	E502122
Job Number:	23003-0002
Received:	2/14/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/25

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: 2/21/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502122
Date Received: 2/14/2025 8:00:16AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/14/2025 8:00:16AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 10:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS128-4'	E502122-01A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS130-4'	E502122-02A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS131-4'	E502122-03A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS133-4'	E502122-04A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS134-4'	E502122-05A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS135-4'	E502122-06A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS136-4'	E502122-07A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS137-4'	E502122-08A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS138-4'	E502122-09A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS139-4'	E502122-10A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS140-2'	E502122-11A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS141-2'	E502122-12A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS142-2'	E502122-13A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS143-2'	E502122-14A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS144-2'	E502122-15A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS145-2'	E502122-16A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS146-2'	E502122-17A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS147-2'	E502122-18A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS149-2'	E502122-19A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS150-2'	E502122-20A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS128-4'

E502122-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*124 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**162**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS130-4'

E502122-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**67.9**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS131-4'

E502122-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**51.4**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS133-4'

E502122-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**301**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS134-4'

E502122-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**198**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS135-4'

E502122-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*124 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**262**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS136-4'

E502122-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**29.8**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS137-4'

E502122-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**92.6**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS138-4'

E502122-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**108**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS139-4'

E502122-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**109**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS140-2'

E502122-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	**44.1**	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**274**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS141-2'

E502122-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*02/14/25*	*02/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**90.0**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS142-2'

E502122-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
Surrogate: n-Nonane		*124 %*	*61-141*	*02/14/25*	*02/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**153**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS143-2'

E502122-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*02/14/25*	*02/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**198**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS144-2'

E502122-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
Surrogate: n-Nonane		*138 %*	*61-141*	*02/14/25*	*02/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**77.6**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS145-2'

E502122-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/21/25	
Surrogate: n-Nonane		*75.0 %*	*61-141*	*02/14/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**124**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS146-2'

E502122-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*02/14/25*	*02/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**86.2**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS147-2'

E502122-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
Surrogate: n-Nonane		*126 %*	*61-141*	*02/14/25*	*02/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**289**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS149-2'

E502122-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*02/14/25*	*02/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**41.8**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

FS150-2'

E502122-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2507109
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*02/14/25*	*02/15/25*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2507121
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*02/14/25*	*02/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2507129
Chloride	**121**	20.0	1	02/14/25	02/14/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2507109-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
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: Bromofluorobenzene	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.483*		*0.500*		*96.5*	*70-130*			
LCS (2507109-BS1)									Prepared: 02/14/25 Analyzed: 02/15/25
Benzene	2.23	0.0250	2.50		89.2	70-130			
Ethylbenzene	2.22	0.0250	2.50		89.0	70-130			
Toluene	2.16	0.0250	2.50		86.2	70-130			
o-Xylene	2.14	0.0250	2.50		85.7	70-130			
p,m-Xylene	4.30	0.0500	5.00		86.0	70-130			
Total Xylenes	6.44	0.0250	7.50		85.9	70-130			
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.485*		*0.500*		*97.0*	*70-130*			
LCS Dup (2507109-BSD1)									Prepared: 02/14/25 Analyzed: 02/15/25
Benzene	2.34	0.0250	2.50		93.6	70-130	4.83	23	
Ethylbenzene	2.39	0.0250	2.50		95.6	70-130	7.15	27	
Toluene	2.31	0.0250	2.50		92.4	70-130	6.92	24	
o-Xylene	2.38	0.0250	2.50		95.1	70-130	10.4	27	
p,m-Xylene	4.76	0.0500	5.00		95.2	70-130	10.1	27	
Total Xylenes	7.14	0.0250	7.50		95.1	70-130	10.2	27	
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.492*		*0.500*		*98.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

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 (2507109-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.483*		*0.500*		*96.5*	*70-130*			
LCS (2507109-BS2)									Prepared: 02/14/25 Analyzed: 02/15/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
LCS Dup (2507109-BSD2)									Prepared: 02/14/25 Analyzed: 02/15/25
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130	0.283	20	
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*94.0*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

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 (2507121-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
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 (2507121-BS1)									Prepared: 02/14/25 Analyzed: 02/14/25
Diesel Range Organics (C10-C28)	289	25.0	250		116	66-144			
Surrogate: n-Nonane	*59.4*		*50.0*		*119*	*61-141*			
LCS Dup (2507121-BSD1)									Prepared: 02/14/25 Analyzed: 02/14/25
Diesel Range Organics (C10-C28)	289	25.0	250		116	66-144	0.128	20	
Surrogate: n-Nonane	*59.3*		*50.0*		*119*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

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 (2508094-BLK1)									Prepared: 02/20/25 Analyzed: 02/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*61-141*			
LCS (2508094-BS1)									Prepared: 02/20/25 Analyzed: 02/21/25
Diesel Range Organics (C10-C28)	250	25.0	250		100	66-144			
Surrogate: n-Nonane	*46.6*		*50.0*		*93.1*	*61-141*			
Matrix Spike (2508094-MS1)				**Source: E502179-01**					Prepared: 02/20/25 Analyzed: 02/21/25
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*61-141*			
Matrix Spike Dup (2508094-MSD1)				**Source: E502179-01**					Prepared: 02/20/25 Analyzed: 02/21/25
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	1.20	20	
Surrogate: n-Nonane	*48.6*		*50.0*		*97.1*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 10:41:52AM

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 (2507129-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	ND	20.0							
LCS (2507129-BS1)									Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2507129-MS1)				**Source: E502122-02**					Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	323	20.0	250	67.9	102	80-120			
Matrix Spike Dup (2507129-MSD1)				**Source: E502122-02**					Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	336	20.0	250	67.9	107	80-120	3.90	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 10:41

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: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502122	Job Number 23030002	1D 2D 3D Std: x	NM x CO UT TX
Project: Desoto Springs Recycling Pond	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
1154	2/12/25	Soil	1	FS128-4'		1						x						
1158	"	"	"	130		2						x						
1202	"	"	"	131		3						x						
1205	"	"	"	133		4						x						
1207	"	"	"	134		5						x						
1209	"	"	"	135		6						x						
1211	"	"	"	136		7						x						
1214	"	"	"	137		8						x						
1217	"	"	"	138		9						x						
1218	"	"	"	139		10						x						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella ~~/ Oluwale Aderinto~~ Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/13/25	7:00	Michelle Gonzales	2-13-25	0700
Michelle Gonzales	2-13-25	1730	I. H.	2.13.25	1730
I. H.	2.13.25	2400	Caitlin Mars	2/14/25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502122	Job Number 23C3.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
1222	12/12/25	Soil	1	FS140 - 2'		11						x						
1224				141		12						x						
1226				142		13						x						
1228				143		14						x						
1230				144		15						x						
1232				145		16						x						
1233				146		17						x						
1235				147		18						x						
1238				149		19						x						
1239				150		20						x						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella / ~~Oluwale Aderinto~~ Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	12/13/25	7:00	Michelle Gonzales	12.13.25	0700
Michelle Gonzales	12-13-25	1730	A.M.	12.13.25	1730
A.M.	12.13.25	2400	Caitlin Mars	12.14.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 2/14/2025 11:25:21AM

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:	02/14/25 08:00	Work Order ID:	E502122
Phone:	(972) 371-5200	Date Logged In:	02/13/25 16:00	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/20/25 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? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Desoto Springs Recycling Pond has been separated into 2 reports due to sample volme. WOs are E502122 & E502123.

Client Instruction

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

Date

envirotech Inc.

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Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502122	Job Number 23030002	1D 2D 3D Std: x	NM: x CO UT TX
Project: Desoto Springs Recycling Pond	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
1154	2/12/25	Soil	1	FS128-4'		1						x		
1158				130		2						x		
1202				131		3						x		
1205				133		4						x		
1207				134		5						x		
1209				135		6						x		
1211				136		7						x		
1214				137		8						x		
1217				138		9						x		
1218				139		10						x		

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Client asked to rerun Sample 1le for DRO/ORO 2/20/25 CM

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella ~~/ Olawale Aderinto~~ Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/13/25	7:00	Michelle Gonzales	2-13-25	0700
Michelle Gonzales	2-13-25	1730	I. H.	2.13.25	1730
I. H.	2.13.25	2400	Caitlin Mars	2.14.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Received by OCD: 12/22/2025 8:35:37 AM

Released to Imaging: 2/12/2026 3:08:14 PM

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502122	Job Number 23C3.0002	1D 2D 3D Std: x	NM x CO UT TX
Project: Desoto Springs Recycling Pond	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
1222	2/12/25	Soil	1	FS140 - 2'		11						x			
1224				141		12						x			
1226				142		13						x			
1228				143		14						x			
1230				144		15						x			
1232				145		16	X					x			
1233				146		17						x			
1235				147		18						x			
1238				149		19						x			
1239				150		20						x			

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella / ~~Oluwale Aderinto~~ Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/13/25	7:00	Michelle Gonzales	2.13.25	0700
Michelle Gonzales	2-13-25	1730	A.M.	2.13.25	1730
A.M.	2.13.25	2400	Caitlin Mars	2.14.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Report to:

Ashley Giovengo









5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Desoto Springs Recycling Pond
Work Order:	E502123
Job Number:	23003-0002
Received:	2/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/19/25

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: 2/19/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502123
Date Received: 2/14/2025 8:00:16AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/14/2025 8:00:16AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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

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Office: 505-632-1881
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Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/19/25 12:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS132-4'	E502123-01A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS148-2'	E502123-02A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS151-2'	E502123-03A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS152-6'	E502123-04A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS153-6'	E502123-05A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS154-6'	E502123-06A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS157-2'	E502123-07A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS158-2'	E502123-08A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS159-2'	E502123-09A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS160-2'	E502123-10A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS161-2'	E502123-11A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS162-2'	E502123-12A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS163-2'	E502123-13A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS164-2'	E502123-14A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS165-2'	E502123-15A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
SW18-0'-2'	E502123-16A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
SW19-0'-2'	E502123-17A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
SW20-0'-2'	E502123-18A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
SW21-0'-4'	E502123-19A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS132-4'

E502123-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.8 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**353**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS148-2'

E502123-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.8 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	**45.6**	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**193**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS151-2'

E502123-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.7 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**26.5**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS152-6'

E502123-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.2 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	ND	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS153-6'

E502123-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.4 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	**81.7**	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**142**	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS154-6'

E502123-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	ND	20.0	1	02/14/25	02/14/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS157-2'

E502123-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.0 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**148**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS158-2'

E502123-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.5 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**240**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS159-2'

E502123-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.2 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**28.1**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS160-2'

E502123-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	**45.5**	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**99.0**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS161-2'

E502123-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.7 %*	*70-130*	*02/14/25*	*02/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**581**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS162-2'

E502123-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**56.3**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS163-2'

E502123-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**208**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS164-2'

E502123-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**305**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

FS165-2'

E502123-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**77.7**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

SW18-0'-2'

E502123-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**158**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

SW19-0'-2'

E502123-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**147**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

SW20-0'-2'

E502123-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.2 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.4 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**105**	20.0	1	02/14/25	02/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

SW21-0'-4'

E502123-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2507110
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*02/14/25*	*02/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2507122
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/14/25*	*02/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2507132
Chloride	**45.2**	20.0	1	02/14/25	02/15/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

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 (2507110-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
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	*7.86*		*8.00*		*98.3*	*70-130*			
LCS (2507110-BS1)									Prepared: 02/14/25 Analyzed: 02/14/25
Benzene	5.94	0.0250	5.00		119	70-130			
Ethylbenzene	5.80	0.0250	5.00		116	70-130			
Toluene	5.90	0.0250	5.00		118	70-130			
o-Xylene	5.81	0.0250	5.00		116	70-130			
p,m-Xylene	11.8	0.0500	10.0		118	70-130			
Total Xylenes	17.6	0.0250	15.0		117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			
LCS Dup (2507110-BSD1)									Prepared: 02/14/25 Analyzed: 02/14/25
Benzene	5.83	0.0250	5.00		117	70-130	1.82	20	
Ethylbenzene	5.70	0.0250	5.00		114	70-130	1.65	20	
Toluene	5.79	0.0250	5.00		116	70-130	1.87	20	
o-Xylene	5.71	0.0250	5.00		114	70-130	1.76	20	
p,m-Xylene	11.6	0.0500	10.0		116	70-130	1.69	20	
Total Xylenes	17.3	0.0250	15.0		115	70-130	1.71	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

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 (2507110-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.54*		*8.00*		*81.8*	*70-130*			
LCS (2507110-BS2)									Prepared: 02/14/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.72*		*8.00*		*84.0*	*70-130*			
LCS Dup (2507110-BSD2)									Prepared: 02/14/25 Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		83.9	70-130	0.839	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.75*		*8.00*		*84.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

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 (2507122-BLK1)									Prepared: 02/14/25 Analyzed: 02/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.1*		*50.0*		*108*	*61-141*			
LCS (2507122-BS1)									Prepared: 02/14/25 Analyzed: 02/17/25
Diesel Range Organics (C10-C28)	269	25.0	250		108	66-144			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			
LCS Dup (2507122-BSD1)									Prepared: 02/14/25 Analyzed: 02/17/25
Diesel Range Organics (C10-C28)	275	25.0	250		110	66-144	2.13	20	
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 12:18:46PM

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 (2507132-BLK1)									Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	ND	20.0							
LCS (2507132-BS1)									Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2507132-MS1)				**Source: E502123-03**					Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	281	20.0	250	26.5	102	80-120			
Matrix Spike Dup (2507132-MSD1)				**Source: E502123-03**					Prepared: 02/14/25 Analyzed: 02/14/25
Chloride	277	20.0	250	26.5	100	80-120	1.65	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/19/25 12:18

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E502123	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23C03-0052	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
1359	2/12/25	Soil	1	FS132-4'		1						x						
1402				148-2'		2						x						
1407				151-2'		3						x						
1408				152-6'		4						x						
1432				153-6'		5						x						
1409				154-6'		6						x						
1411				157-2'		7						x						
1412				158		8						x						
1413				159		9						x						
1413				160		10						x						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estralla and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/13/25	7:00	Michelle Gonzales	2.13.25	0700
Michelle Gonzales	2-13-25	1730	I.M.	2.13.25	1730
I.M.	2.13.25	2400	Caitlin Mason	2.14.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

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Page 688 of 867

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E502123	1D 2D 3D Std	NM CO UT TX
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
1414	2/12/25	Soil	1	FS161-2'		11						x						
1414				162-2'		12						x						
1415				163-2'		13						x						
1415				164-2'		14						x						
1416				165-2'		15						x						
1458				SW18-0'-2'		16						x						
1500				19-0'-2'		17						x						
1502				20-0'-2'		18						x						
1504				21-0'-4'		19						x						
												x						

EPA Program				
SDWA	CWA	RCRA		
Compliance	Y	or	N	
PWSID #				

Remarks

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/13/25	7:00	Michelle Gonzales	2-13-25	0700
Michelle Gonzales	2.13.25	1730	L.M.	2.13.25	1730
L.M.	2.13.25	2400	Caitlin Mars	2.14.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech

Received by OCD: 12/22/2025 8:35:37 AM
Released to Imaging: 2/12/2026 3:08:14 PM

Envirotech Analytical Laboratory

Printed: 2/14/2025 11:26:58AM

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:	02/14/25 08:00	Work Order ID:	E502123
Phone:	(972) 371-5200	Date Logged In:	02/13/25 16:01	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/20/25 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? 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

Comments/Resolution

Project Desoto Springs Recycling Pond has been separated into 2 reports due to sample volme. WOs are E502122 & E502123.

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:	Desoto Springs Recycling Pond
Work Order:	E502143
Job Number:	23003-0002
Received:	2/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/25

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: 2/21/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502143
Date Received: 2/17/2025 8:00:33AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/17/2025 8:00:33AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 09:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS69-3'	E502143-01A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS99-2'	E502143-02A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS105-2'	E502143-03A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS107-2'	E502143-04A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS110-4'	E502143-05A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS111-4'	E502143-06A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS112-4'	E502143-07A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS126-4'	E502143-08A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS53-3'	E502143-09A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS75-3'	E502143-10A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS95-2'	E502143-11A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS108-2.5'	E502143-12A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS155-2'	E502143-13A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS156-2'	E502143-14A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS69-3'

E502143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**79.8**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS99-2'

E502143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**281**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS105-2'

E502143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**404**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS107-2'

E502143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**327**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS110-4'

E502143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**104**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS111-4'

E502143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**248**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS112-4'

E502143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**117**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS126-4'

E502143-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**329**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS53-3'

E502143-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**354**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS75-3'

E502143-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**415**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS95-2'

E502143-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	**33.1**	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**181**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS108-2.5'

E502143-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**145**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS155-2'

E502143-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**26.2**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

FS156-2'

E502143-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*02/17/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/17/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*02/17/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2508047
Chloride	**176**	20.0	1	02/18/25	02/18/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

Volatile Organic Compounds by EPA 8260B

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 (2508019-BLK1)									Prepared: 02/17/25 Analyzed: 02/18/25
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: Bromofluorobenzene	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2508019-BS1)									Prepared: 02/17/25 Analyzed: 02/18/25
Benzene	2.24	0.0250	2.50		89.7	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.3	70-130			
Toluene	2.35	0.0250	2.50		94.1	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.76	0.0500	5.00		95.1	70-130			
Total Xylenes	7.05	0.0250	7.50		94.0	70-130			
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
LCS Dup (2508019-BSD1)									Prepared: 02/17/25 Analyzed: 02/18/25
Benzene	2.26	0.0250	2.50		90.4	70-130	0.844	23	
Ethylbenzene	2.25	0.0250	2.50		89.9	70-130	0.533	27	
Toluene	2.34	0.0250	2.50		93.7	70-130	0.426	24	
o-Xylene	2.34	0.0250	2.50		93.6	70-130	1.99	27	
p,m-Xylene	4.79	0.0500	5.00		95.8	70-130	0.786	27	
Total Xylenes	7.13	0.0250	7.50		95.1	70-130	1.18	27	
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

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 (2508019-BLK1)									Prepared: 02/17/25 Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
LCS (2508019-BS2)									Prepared: 02/17/25 Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
LCS Dup (2508019-BSD2)									Prepared: 02/17/25 Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130	2.50	20	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

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 (2508030-BLK1)									Prepared: 02/17/25 Analyzed: 02/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.3*		*50.0*		*113*	*61-141*			
LCS (2508030-BS1)									Prepared: 02/17/25 Analyzed: 02/18/25
Diesel Range Organics (C10-C28)	306	25.0	250		122	66-144			
Surrogate: n-Nonane	*61.0*		*50.0*		*122*	*61-141*			
Matrix Spike (2508030-MS1)				**Source: E502143-09**					Prepared: 02/17/25 Analyzed: 02/18/25
Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	56-156			
Surrogate: n-Nonane	*59.0*		*50.0*		*118*	*61-141*			
Matrix Spike Dup (2508030-MSD1)				**Source: E502143-09**					Prepared: 02/17/25 Analyzed: 02/19/25
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	56-156	1.14	20	
Surrogate: n-Nonane	*60.7*		*50.0*		*121*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:25:56AM

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 (2508047-BLK1)									Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	ND	20.0							
LCS (2508047-BS1)									Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2508047-MS1)				**Source: E502143-03**					Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	659	20.0	250	404	102	80-120			
Matrix Spike Dup (2508047-MSD1)				**Source: E502143-03**					Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	645	20.0	250	404	96.2	80-120	2.14	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 09:25

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502143	Job Number 23C03-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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				EPA Program: SDWA / CWA / RCRA	Remarks
0946	2/13/25	Soil	1	FS64 -3'		1						X						Compliance: Y or N	
1014	"	"	"	99 -2'		2						X						PWSID #	
1017	"	"	"	105 -2'		3						X							
1018	"	"	"	107 -2'		4						X							
1024	"	"	"	110 -4'		5						X							
1033	"	"	"	111 -4'		6						X							
1035	"	"	"	112 -4'		7						X							
1047	"	"	"	126 -4'		8						X							
1202	"	"	"	53 -3'		9						X							
1219	"	"	"	75 -3'		10						X							

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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: Israel Estrella and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/14/25	7:00	Michelle Gonzales	2-14-25	0700
Michelle Gonzales	2.14.25	2200	Caitlin Man	2.17.25	800

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502143	Job Number 23C03.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
1443	2/13/25	Soil	1	FS 95-2'		11						X						
1418	"	"	"	108-2.5'		12						X						
1053	"	"	"	155-2'		13						X						
1051	"	"	"	156-2'		14						X						
												X						
												X						
												X						
												X						
				+								X						
												X						

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

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

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: Israel Estrella and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	2/14/25	7:00	Michelle Gonzales	2-14-25	0700
Michelle Gonzales	2-14-25	2200	Caitlin Mars	2.17.25	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 in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 2/17/2025 11:45:58AM

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:	02/17/25 08:00	Work Order ID:	E502143
Phone:	(972) 371-5200	Date Logged In:	02/14/25 15:06	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/21/25 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? 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:	Desoto Springs Recycling Pond
Work Order:	E502157
Job Number:	23003-0002
Received:	2/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/21/25

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: 2/21/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502157
Date Received: 2/18/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/18/2025 8:00:00AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 13:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS49-4'	E502157-01A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS85-2'	E502157-02A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS98-2'	E502157-03A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS103-2'	E502157-04A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS167-2'	E502157-05A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS77-3'	E502157-06A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS129-5'	E502157-07A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS96-3'	E502157-08A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS109-3'	E502157-09A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS166-2.5'	E502157-10A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS76-3'	E502157-11A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH09-4'	E502157-12A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH09-6'	E502157-13A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH09-8'	E502157-14A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH09-10'	E502157-15A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH10-4'	E502157-16A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH10-6'	E502157-17A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH10-8'	E502157-18A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
BH10-10'	E502157-19A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS49-4'

E502157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*02/18/25*	*02/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**329**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS85-2'

E502157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*02/18/25*	*02/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**132**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS98-2'

E502157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/18/25*	*02/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**350**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS103-2'

E502157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*02/18/25*	*02/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**418**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS167-2'

E502157-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**28.7**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS77-3'

E502157-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**213**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS129-5'

E502157-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**54.4**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS96-3'

E502157-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/18/25	
Toluene	ND	0.0250	1	02/18/25	02/18/25	
o-Xylene	ND	0.0250	1	02/18/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/18/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*02/18/25*	*02/18/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/18/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**487**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS109-3'

E502157-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**275**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS166-2.5'

E502157-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**183**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

FS76-3'

E502157-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**353**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH09-4'

E502157-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**1350**	20.0	1	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH09-6'

E502157-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**1610**	40.0	2	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH09-8'

E502157-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**4390**	40.0	2	02/18/25	02/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH09-10'

E502157-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**5730**	100	5	02/18/25	02/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH10-4'

E502157-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**865**	20.0	1	02/18/25	02/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH10-6'

E502157-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**2440**	40.0	2	02/18/25	02/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH10-8'

E502157-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**1030**	20.0	1	02/18/25	02/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

BH10-10'

E502157-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*02/18/25*	*02/19/25*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*02/18/25*	*02/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2508043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*02/18/25*	*02/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508049
Chloride	**515**	20.0	1	02/18/25	02/19/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

Volatile Organic Compounds by EPA 8260B

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 (2508038-BLK1)									Prepared: 02/18/25 Analyzed: 02/19/25
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: Bromofluorobenzene	*0.535*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
LCS (2508038-BS1)									Prepared: 02/18/25 Analyzed: 02/19/25
Benzene	2.23	0.0250	2.50		89.0	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.1	70-130			
Toluene	2.44	0.0250	2.50		97.5	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	5.03	0.0500	5.00		101	70-130			
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
Matrix Spike (2508038-MS1)				**Source: E502157-07**					Prepared: 02/18/25 Analyzed: 02/19/25
Benzene	2.23	0.0250	2.50	ND	89.3	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.3	45-135			
Toluene	2.44	0.0250	2.50	ND	97.4	48-130			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.16	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2508038-MSD1)				**Source: E502157-07**					Prepared: 02/18/25 Analyzed: 02/19/25
Benzene	2.31	0.0250	2.50	ND	92.6	48-131	3.61	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.5	45-135	3.28	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	3.53	24	
o-Xylene	2.61	0.0250	2.50	ND	104	43-135	3.47	27	
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135	4.73	27	
Total Xylenes	8.01	0.0250	7.50	ND	107	43-135	4.32	27	
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

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 (2508038-BLK1)									Prepared: 02/18/25 Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.535*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
LCS (2508038-BS2)									Prepared: 02/18/25 Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			
Matrix Spike (2508038-MS2)				**Source: E502157-07**					Prepared: 02/18/25 Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2508038-MSD2)				**Source: E502157-07**					Prepared: 02/18/25 Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	1.24	20	
Surrogate: Bromofluorobenzene	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

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 (2508043-BLK1)									Prepared: 02/18/25 Analyzed: 02/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*61-141*			
LCS (2508043-BS1)									Prepared: 02/18/25 Analyzed: 02/18/25
Diesel Range Organics (C10-C28)	293	25.0	250		117	66-144			
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*61-141*			
Matrix Spike (2508043-MS1)				**Source: E502157-15**					Prepared: 02/18/25 Analyzed: 02/18/25
Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	56-156			
Surrogate: n-Nonane	*60.4*		*50.0*		*121*	*61-141*			
Matrix Spike Dup (2508043-MSD1)				**Source: E502157-15**					Prepared: 02/18/25 Analyzed: 02/18/25
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156	6.20	20	
Surrogate: n-Nonane	*58.5*		*50.0*		*117*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 1:47:24PM

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 (2508049-BLK1)									Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	ND	20.0							
LCS (2508049-BS1)									Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2508049-MS1)				**Source: E502157-06**					Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	468	20.0	250	213	102	80-120			
Matrix Spike Dup (2508049-MSD1)				**Source: E502157-06**					Prepared: 02/18/25 Analyzed: 02/18/25
Chloride	479	20.0	250	213	107	80-120	2.42	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 13:47

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: 2/12/2026 3:08:14 PM

Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502157	Job Number 23003.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
10:01	2/14/2025	S	1	FS49 - 4'		1						X						
10:07	2/14/2025	S	1	FS85 - 2'		2						X						
10:23	2/14/2025	S	1	FS98 - 2'		3						X						
10:25	2/14/2025	S	1	FS103 - 2'		4						X						
10:11	2/14/2025	S	1	FS167 - 2'		5						X						
11:45	2/14/2025	S	1	FS77 - 3'		6						X						
11:48	2/14/2025	S	1	FS129 - 5'		7						X						
13:52	2/14/2025	S	1	FS96 - 3'		8						X						
13:59	2/14/2025	S	1	FS109 - 3'		9						X						
13:57	2/14/2025	S	1	FS166 - 2.5'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Oluwale Aderinto	2/17/25	08:15	Michelle Gonzales	2.17.25	0815
Michelle Gonzales	2.17.25	1630		2.17.25	1630
	2.17.25	2245	Caitlin Mars	2.18.25	800

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Released to Imaging: 2/12/2026 3:08:14 PM

Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502157	1D 2D 3D Std	NM CO UT TX
Project: Desoto Springs Recycling Pond	Address: 3122 National Parks Hwy	Job Number 23008.0002	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
13:59	2/14/2025	S	1	FS76 - 3'		11						X						
14:36	2/14/2025	S	1	BH09 - 4'		12						X						
14:39	2/14/2025	S	1	BH09 - 6'		13						X						
14:42	2/14/2025	S	1	BH09 - 8'		14						X						
14:45	2/14/2025	S	1	BH09 - 10'		15						X						
14:51	2/14/2025	S	1	BH10 - 4'		16						X						
14:56	2/14/2025	S	1	BH10 - 6'		17						X						
14:59	2/14/2025	S	1	BH10 - 8'		18						X						
15:03	2/14/2025	S	1	BH10 - 10'		19						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, 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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Oluwale Aderinto	2/17/25	08:15	Michelle Gonzales	2.17.25	0815
Michelle Gonzales	2.17.25	1630		2.17.25	1630
	2.17.25	2243		2.18.25	800

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/18/2025 8:52:17AM

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:	02/18/25 08:00	Work Order ID:	E502157
Phone:	(972) 371-5200	Date Logged In:	02/17/25 15:08	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/24/25 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	

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:	Desoto Springs Recycling Pond
Work Order:	E502195
Job Number:	23003-0002
Received:	2/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/26/25

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: 2/26/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E502195
Date Received: 2/21/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/21/2025 4:30:00AM, under the Project Name: Desoto Springs Recycling Pond.

The analytical test results summarized in this report with the Project Name: Desoto Springs Recycling Pond 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/26/25 13:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW22-04'	E502195-01A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW23-04'	E502195-02A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW24-04'	E502195-03A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW25-04'	E502195-04A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW26-0-2'	E502195-05A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW27-0-4'	E502195-06A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW28-0-4'	E502195-07A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW29-0-4'	E502195-08A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW30-0-4'	E502195-09A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW31-0-5'	E502195-10A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW32-0-5'	E502195-11A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW33-0-4'	E502195-12A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW34-0-3'	E502195-13A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW35-0-2'	E502195-14A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW36-0-2'	E502195-15A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW37-0-4'	E502195-16A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW38-0-4'	E502195-17A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW39-0-4'	E502195-18A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW40-0-4'	E502195-19A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
SW41-0-4'	E502195-20A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW22-04'

E502195-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.1 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**266**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW23-04'

E502195-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.3 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**281**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW24-04'

E502195-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.1 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	ND	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW25-04'

E502195-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.2 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**20.5**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW26-0-2'

E502195-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.5 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2509013
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/24/25	
Surrogate: n-Nonane		*98.4 %*	*61-141*	*02/21/25*	*02/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**373**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW27-0-4'

E502195-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.9 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**250**	20.0	1	02/21/25	02/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW28-0-4'

E502195-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.9 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**515**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW29-0-4'

E502195-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.2 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**455**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW30-0-4'

E502195-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.6 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**1170**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW31-0-5'

E502195-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.5 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**330**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW32-0-5'

E502195-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.3 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**1000**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW33-0-4'

E502195-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.0 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**767**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW34-0-3'

E502195-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.7 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**1550**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW35-0-2'

E502195-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.2 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	**1840**	25.0	1	02/21/25	02/21/25	
Oil Range Organics (C28-C36)	**1520**	50.0	1	02/21/25	02/21/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/21/25*	*02/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**4180**	40.0	2	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW36-0-2'

E502195-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.0 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	**73.9**	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*02/21/25*	*02/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	ND	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW37-0-4'

E502195-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.3 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*02/21/25*	*02/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**92.5**	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW38-0-4'

E502195-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.8 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/21/25*	*02/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	ND	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW39-0-4'

E502195-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.7 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*02/21/25*	*02/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	ND	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW40-0-4'

E502195-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.0 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/21/25*	*02/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	ND	20.0	1	02/21/25	02/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

SW41-0-4'

E502195-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.9 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508104
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*02/21/25*	*02/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2508109
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/21/25*	*02/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2508116
Chloride	**176**	20.0	1	02/21/25	02/22/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

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 (2508104-BLK1)									Prepared: 02/21/25 Analyzed: 02/22/25
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	*6.33*		*8.00*		*79.1*	*70-130*			
LCS (2508104-BS1)									Prepared: 02/21/25 Analyzed: 02/22/25
Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.36*		*8.00*		*79.5*	*70-130*			
Matrix Spike (2508104-MS1)				**Source: E502195-07**					Prepared: 02/21/25 Analyzed: 02/22/25
Benzene	5.18	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133			
Toluene	5.08	0.0250	5.00	ND	102	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.31*		*8.00*		*78.9*	*70-130*			
Matrix Spike Dup (2508104-MSD1)				**Source: E502195-07**					Prepared: 02/21/25 Analyzed: 02/22/25
Benzene	5.06	0.0250	5.00	ND	101	54-133	2.32	20	
Ethylbenzene	4.83	0.0250	5.00	ND	96.5	61-133	2.14	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	2.20	20	
o-Xylene	4.79	0.0250	5.00	ND	95.7	63-131	2.44	20	
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	63-131	2.21	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131	2.29	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.23*		*8.00*		*77.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

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 (2508104-BLK1)									Prepared: 02/21/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			
LCS (2508104-BS2)									Prepared: 02/21/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike (2508104-MS2)				**Source: E502195-07**					Prepared: 02/21/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
Matrix Spike Dup (2508104-MSD2)				**Source: E502195-07**					Prepared: 02/21/25 Analyzed: 02/22/25
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130	4.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

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 (2508109-BLK1)									Prepared: 02/21/25 Analyzed: 02/24/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			
LCS (2508109-BS1)									Prepared: 02/21/25 Analyzed: 02/21/25
Diesel Range Organics (C10-C28)	289	25.0	250		116	66-144			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
Matrix Spike (2508109-MS1)				**Source: E502195-02**					Prepared: 02/21/25 Analyzed: 02/21/25
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*62.5*		*50.0*		*125*	*61-141*			
Matrix Spike Dup (2508109-MSD1)				**Source: E502195-02**					Prepared: 02/21/25 Analyzed: 02/21/25
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156	3.50	20	
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

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 (2509013-BLK1)									Prepared: 02/24/25 Analyzed: 02/24/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*61-141*			
LCS (2509013-BS1)									Prepared: 02/24/25 Analyzed: 02/24/25
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*61-141*			
Matrix Spike (2509013-MS1)				**Source: E502220-24**					Prepared: 02/24/25 Analyzed: 02/24/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	56-156			
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2509013-MSD1)				**Source: E502220-24**					Prepared: 02/24/25 Analyzed: 02/24/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156	1.75	20	
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/26/2025 1:32:33PM

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 (2508116-BLK1)									Prepared: 02/21/25 Analyzed: 02/21/25
Chloride	ND	20.0							
LCS (2508116-BS1)									Prepared: 02/21/25 Analyzed: 02/21/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2508116-MS1)				**Source: E502195-06**					Prepared: 02/21/25 Analyzed: 02/21/25
Chloride	513	20.0	250	250	105	80-120			
Matrix Spike Dup (2508116-MSD1)				**Source: E502195-06**					Prepared: 02/21/25 Analyzed: 02/22/25
Chloride	508	20.0	250	250	103	80-120	0.995	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/26/25 13:32

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502195	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
1242	2/19/25	Soil	1	SW22-04'		1						X						
1243				23		2						X						
1244				24		3						X						
1246				25		4						X						
1249				26-0-2'		5						X						
1250				27-0-4'		6						X						
1251				28		7						X						
1253				29		8						X						
1257				30		9						X						
1259				31-0-5'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/20/25	8:01	Michelle Gonzales	2.20.25	0801
Michelle Gonzales	2.20.25	1640		2.20.25	1730
	2.20.25	2400	Kenyth N Hall	2-21-25	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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E502195	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Desoto Springs Recycling Pond	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
1300	2/19/25	Soil	1	SW32-0-5'		11						X						
1302				33-0-4'		12						X						
1303				34-0-3'		13						X						
1306				35-0-2'		14						X						
1308				36-0-2'		15						X						
1310				37-0-4'		16						X						
1311				38		17						X						
1312				39		18						X						
1313				40		19						X						
1314				41		20						X						

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/20/25	8:01	Michelle Gonzales	2.20.25	0801
Michelle Gonzales	2.20.25	1640		2.20.25	1730
	2.20.25	2400	Kayla N Hill	2-21-25	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 Analytical Laboratory

Printed: 2/21/2025 10:32:26AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	02/21/25 04:30	Work Order ID:	E502195
Phone:	(972) 371-5200	Date Logged In:	02/20/25 15:49	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/27/25 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:	Desoto Springs Recycling Pond
Work Order:	E503151
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/20/25

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: 3/20/25

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

Project Name: Desoto Springs Recycling Pond
Workorder: E503151
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Desoto Springs Recycling Pond.

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

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 13:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09-16'	E503151-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
BH09-18'	E503151-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
BH09-20'	E503151-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
BH09-22'	E503151-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
BH09-23'	E503151-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
BH09-24'	E503151-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
BH09-25'	E503151-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 1:17:32PM

BH09-16'

E503151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512073
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*93.2 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**1510**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 1:17:32PM

BH09-18'

E503151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512073
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*93.4 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**1560**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 1:17:32PM

BH09-20'

E503151-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512073
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*92.8 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**356**	20.0	1	03/19/25	03/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 1:17:32PM

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 (2512071-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
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	*6.33*		*8.00*		*79.2*	*70-130*			
LCS (2512071-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.39	0.0250	5.00		108	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.35*		*8.00*		*79.4*	*70-130*			
LCS Dup (2512071-BSD1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	4.89	0.0250	5.00		97.9	70-130	9.71	20	
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130	10.0	20	
Toluene	4.81	0.0250	5.00		96.1	70-130	9.83	20	
o-Xylene	4.68	0.0250	5.00		93.5	70-130	8.38	20	
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130	9.65	20	
Total Xylenes	14.2	0.0250	15.0		94.4	70-130	9.23	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.40*		*8.00*		*80.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 1:17:32PM

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 (2512071-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
LCS (2512071-BS2)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
LCS Dup (2512071-BSD2)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.1	70-130	4.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 1:17:32PM

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 (2512073-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.3*		*50.0*		*90.7*	*61-141*			
LCS (2512073-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	221	25.0	250		88.2	66-144			
Surrogate: n-Nonane	*44.9*		*50.0*		*89.9*	*61-141*			
Matrix Spike (2512073-MS1)				**Source: E503150-04**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.1	56-156			
Surrogate: n-Nonane	*44.9*		*50.0*		*89.9*	*61-141*			
Matrix Spike Dup (2512073-MSD1)				**Source: E503150-04**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.3	56-156	1.36	20	
Surrogate: n-Nonane	*45.1*		*50.0*		*90.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Desoto Springs Recycling Pond	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 1:17:32PM

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 (2512115-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	ND	20.0							
LCS (2512115-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2512115-MS1)				**Source: E503151-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	1830	20.0	250	1560	106	80-120			
Matrix Spike Dup (2512115-MSD1)				**Source: E503151-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	1790	20.0	250	1560	91.6	80-120	1.97	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:	Desoto Springs Recycling Pond	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 13:17

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

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

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

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# EE503151	Job Number 23C03-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Desoto Spring Recycling Pond	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
11:14	3/17/2025	S	1	BH09 - 16'		1						X						
11:16	3/17/2025	S	1	BH09 - 18'		2						X						
11:18	3/17/2025	S	1	BH09 - 20'		3						X						
11:31	3/17/2025	S	1	BH09 - 22'		4						X						DO NOT RUN FOR BGDOC UNLESS BH09-20' IS >100TPH OR 600 CL
11:32	3/17/2025	S	1	BH09 - 23'		5						X						DO NOT RUN FOR BGDOC UNLESS BH09-22' IS >100TPH OR 600 CL
11:33	3/17/2025	S	1	BH09 - 24'		6						X						HOLD
11:34	3/17/2025	S	1	BH09 - 25'		7						X						HOLD

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 HKK

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-17-25		Michelle Gonzales	3-18-25	1130
Michelle Gonzales	3-18-25	1645		3.18.25	1700
	3.18.25	2300		3-19-25	0400

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: 3/19/2025 7:41:23AM

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:	03/19/25 04:00	Work Order ID:	E503151
Phone:	(972) 371-5200	Date Logged In:	03/18/25 15:51	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 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: 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

Comments/Resolution

Client remakrs for samples to not be run sample 4 and 5 unless the previous samples are >100 TPH or 600CL. Samples 6 and 7 on hold.

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 2/12/2026 3:08:14 PM
Received by OCD: 12/22/2025 8:35:37 AM

Chain of Custody

CM 3/19/25

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Desoto Spring Recycling Pond	Address: 3122 National Parks Hwy	EE503151	23003.0002		X		~~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
11:14	3/17/2025	S	1	BH09 - 16'		1						X						Changed WO to Rush Per Client. 3/19/25 CM
11:16	3/17/2025	S	1	BH09 - 18'		2						X						
11:18	3/17/2025	S	1	BH09 - 20'		3						X						
11:31	3/17/2025	S	1	BH09 - 22'		4						X						DO NOT RUN FOR BGDOC UNLESS BH09-20' IS >100TPH OR 600 CL
11:32	3/17/2025	S	1	BH09 - 23'		5						X						DO NOT RUN FOR BGDOC UNLESS BH09-22' IS >100TPH OR 600 CL
11:33	3/17/2025	S	1	BH09 - 24'		6						X						HOLD
11:34	3/17/2025	S	1	BH09 - 25'		7						X						HOLD

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~~ HG

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-17-25		Michelle Gonzales	3-18-25	1130
Michelle Gonzales	3-18-25	1645		3.18.25	1700
	3.18.25	2300		3-19-25	0400
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

ENSOLUM

APPENDIX E

NMOCD Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 386844
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Desoto Spring Recycling Pond
Date Release Discovered	09/25/2024
Surface Owner	Private

Incident Details *Please answer all the questions in this group.*	
Incident Type	Oil 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	Cause: Equipment Failure | Frac Tank | Crude Oil | Released: 393 BBL | Recovered: 290 BBL | Lost: 103 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 386844
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 386844
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
☑	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☑	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 386844
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/25/2024

Impacted Soil On-Pad
Saturated Soil (inches)
2
Area (sq. ft.)
21860.6
Standing fluids
inches of standing fluid
bbl estimate of standing fluids
barrels recovered (if known)
145
Soil type
pad caliche
Spill type
oil(crude)
Barrel estimate in soil
86.5
Barrel estimate (standing fluids/ recovered+in soil)
231.5

Impacted Soil Off-Pad
Saturated Soil (inches)
2
Area (sq. ft.)
4906.4
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
145
Soil type
Sand
Spill type
oil(crude)
Barrel estimate in soil
15.5
Barrel estimate (standing fluids/ recovered+in soil)
160.5

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Santa Fe, NM 87505

QUESTIONS

Action 386934

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 386934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Desoto Spring Recycling Pond
Date Release Discovered	09/25/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Frac Tank | Crude Oil | Released: 393 BBL | Recovered: 290 BBL | Lost: 103 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 386934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/25/2024

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 386934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
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	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

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	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 386934

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 386934
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	9/25/2024

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 419757

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419757
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419757
	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.	1/13/2025

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

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QUESTIONS

Action 419760

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419760
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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 419760

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419760
	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.	1/13/2025

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

QUESTIONS

Action 419764

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419764
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/20/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 419764

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419764
	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.	1/13/2025

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 419767

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419767
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419767
	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.	1/13/2025

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Santa Fe, NM 87505

QUESTIONS

Action 419771

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419771
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/22/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Santa Fe, NM 87505

CONDITIONS

Action 419771

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419771
	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.	1/13/2025

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Santa Fe, NM 87505

QUESTIONS

Action 419782

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419782
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/23/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419782
	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.	1/13/2025

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 421247

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 421247
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/23/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Santa Fe, NM 87505

CONDITIONS

Action 421247

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 421247
	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.	1/15/2025

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Santa Fe, NM 87505

QUESTIONS

Action 421255

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 421255
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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

CONDITIONS

Action 421255

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 421255
	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.	1/15/2025

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Phone: (505) 476-3441

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

QUESTIONS

Action 423671

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423671
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/27/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 423671

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423671
	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.	1/22/2025

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

QUESTIONS

Action 423682

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423682
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	124
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/28/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423682
	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.	1/22/2025

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

QUESTIONS

Action 423684

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423684
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Phone: (505) 476-3441

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 423684

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423684
	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.	1/22/2025

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

QUESTIONS

Action 423685

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423685
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/30/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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CONDITIONS

Action 423685

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423685
	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.	1/22/2025

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1220 S. St Francis Dr.
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QUESTIONS

Action 423688

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423688
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 423688
	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.	1/22/2025

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QUESTIONS

Action 426481

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 426481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/03/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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 426481

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 426481
	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.	1/30/2025

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

QUESTIONS

Action 426613

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 426613
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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

CONDITIONS

Action 426613

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 426613
	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.	1/30/2025

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 426625

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 426625
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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

CONDITIONS

Action 426625

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 426625
	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.	1/30/2025

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 428345

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428345
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/07/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428345
	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.	2/5/2025

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Santa Fe, NM 87505

QUESTIONS

Action 428348

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428348
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/10/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428348
	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.	2/5/2025

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

QUESTIONS

Action 428352

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428352
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/11/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Phone: (505) 629-6116

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428352
	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.	2/5/2025

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QUESTIONS

Action 428476

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428476
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428476
	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.	2/5/2025

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Phone: (505) 629-6116

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

QUESTIONS

Action 428481

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 428481

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428481
	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.	2/5/2025

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

QUESTIONS

Action 428483

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428483
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 428483
	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.	2/5/2025

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

QUESTIONS

Action 432402

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 432402
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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1220 S. St Francis Dr.
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CONDITIONS

Action 432402

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 432402
	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.	2/14/2025

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1220 S. St Francis Dr.
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QUESTIONS

Action 432403

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 432403
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/20/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241)

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CONDITIONS

Action 432403

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 432403
	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.	2/14/2025

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1220 S. St Francis Dr.
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QUESTIONS

Action 433596

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 433596
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	26,763
What is the estimated number of samples that will be gathered	134
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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CONDITIONS

Action 433596

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 433596
	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.	2/19/2025

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QUESTIONS

Action 440903

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440903
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DESOTO SPRING RECYCLING POND**
Date Release Discovered	**09/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	5,600
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.07605,-103.28241

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Santa Fe, NM 87505

CONDITIONS

Action 440903

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440903
	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.	3/10/2025

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QUESTIONS

Action 536634

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2426952037**
Incident Name	**NAPP2426952037 DESOTO SPRING RECYCLING POND @ FVV2234954815**
Incident Type	**Oil Release**
Incident Status	**Deferral Request Received**
Incident Facility	**[fVV2234954815] DESOTO SPRINGS #3**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DESOTO SPRING RECYCLING POND
Date Release Discovered	09/25/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Frac Tank | Crude Oil | Released: 393 BBL | Recovered: 290 BBL | Lost: 103 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/22/2025

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Remediation Plan		
Please answer all the questions that apply or are indicated. This 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)	10000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	38972
GRO+DRO	(EPA SW-846 Method 8015M)	28972
BTEX	(EPA SW-846 Method 8021B or 8260B)	26
Benzene	(EPA SW-846 Method 8021B or 8260B)	2
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		01/15/2025
On what date will (or did) the final sampling or liner inspection occur		10/29/2025
On what date will (or was) the remediation complete(d)		10/29/2025
What is the estimated surface area (in square feet) that will be reclaimed		33513
What is the estimated volume (in cubic yards) that will be reclaimed		4526
What is the estimated surface area (in square feet) that will be remediated		32887
What is the estimated volume (in cubic yards) that will be remediated		3912
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 landfill
(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: 12/22/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Areas are surrounding storage tanks and transfer pumps, further removal of soil could cause destabilization of underlying soil and collapse of equipment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4190
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1607
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	*Not answered.*
Enter the well API (30-) on which this deferral should be granted	30-025-50883 FIRETHORN FEDERAL COM 26 36 04 #127H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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: 12/22/2025

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QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 536634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**519728**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**10/29/2025**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of FS55-59, FS73, FS83, FS84, FS104, SW32-35 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	2/12/2026