



December 17, 2025

**New Mexico Oil Conservation Division**

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

**Re: Closure Request Denial Response**  
**Closure Request dated October 30, 2025**  
**Iggles Well Pad**  
**Incident Numbers nAPP2514028173**  
**Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request Denial Response* to the New Mexico Oil Conservation Division (NMOCD) in reference to the *Closure Request*, dated October 30, 2025, prepared by Ensolum for the above referenced Site. Ensolum offers the following responses to the NMOCD comments:

1. **Under the Site Characterization portion of the C-141 application, to the question “What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A wetland” was answered “Between ½ and 1 (mi.).” According to the National Wetlands Inventory Mapper, there is a wetland riverine located between 500-1000 feet to the southeast. Upon C-141 application resubmission, this distance must be updated under the Site Characterization section.**

Ensolum acknowledges the NMOCD comment and agrees the identified wetland, located approximately 0.53 miles to the southeast of the Site is not the closest mapped wetland as defined by 19.15.7.7.P NMAC and a wetland riverine is located approximately 886 feet southeast of the Site. The Site Characterization portion of the C-141 has been updated accordingly. Based on the new distance included in the Site Characterization, the Closure Criteria does not change the closure requirements for the Site included in the original *Closure Request* and therefore 19.15.29.12C(4) continues to be met.

2. **On pg. 3 of remediation summary it says: “Ensolum personnel returned to the Site on September 25, 2025, to oversee a surface scrape of the impacted area on pad and to collect confirmation soil samples within the release extent.” Photograph 27 shows surface soil staining around production equipment. Why was this area not scraped? Were confirmation samples collected between the equipment shown here?**

On December 10, 2025, Ensolum personnel returned to the Site to oversee the scrape and collection of three additional confirmation floor soil samples (FS62, FS63, and FS64) in the area of potential soil staining identified by NMOCD. The area was scraped via backhoe, and the soil samples were collected at a depth of 0.5 feet below ground surface (bgs). Ensolum personnel

Matador Production Company  
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collected 5-point composite soil samples representing no more than 400 square feet from the floor of the scraped area, consistent with the variance confirmation sampling frequency approved by the NMOCD. Soil from the confirmation floor samples were field screened for total petroleum hydrocarbons (TPH) utilizing a calibrated PetroFLAG® soil analyzer system and chloride using Hach® chloride QuanTab® test strips. 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. 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 excavation soil sample locations are depicted on Figure 3. Photographs were taken during the excavation and soil sampling activities, and a photographic log is included in Appendix A.

Laboratory analytical results for the excavation soil samples indicated all COCs were in compliance with the Site Closure Criteria. Laboratory analytical results are summarized in Table 2, and the complete laboratory analytical report is included as Appendix B.

## CLOSURE REQUEST

As stated in the original *Closure Request*, dated October 30, 2025 (Attachment C), the release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS04, SS05C, and SS07, collected at ground surface and vertically by boreholes BH01 through BH05, collected at depths ranging from 1-foot to 6 feet bgs. Excavation of impacted soil exceeding the applicable Site Closure Criteria was completed, and additional excavation of potentially stained soils was conducted in December 2025. The additional collection of floor samples FS62 through FS64, collected at a depth of 0.5 feet bgs, indicated soils remaining in place are in compliance with the applicable Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater have requirements set forth in 19.15.29 NMAC have been adhered to and as such, respectfully requests closure for Incident Number nAPP2514028173.

If you have any questions or comments, please contact Mrs. Ashley Urzedo at (575) 988-0055 or [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com).

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Chad Hamilton", with a stylized flourish at the end.

Chad Hamilton  
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir", with a stylized flourish at the end.

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

cc: Jason Touchet, Matador Production Company



Matador Production Company  
Iggles Well Pad  
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**Attachments:**

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Floor and Sidewall Soil Samples)
Appendix A	Photographic Log
Appendix B	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix C	Remediation Closure Request



FIGURES

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## Site Receptor Map

**Matador Production Company**  
**Iggles Well Pad**  
 Incident Number: nAPP2514028173  
 Unit O, Section 21, T 18S, R 34E  
 Lea County, New Mexico

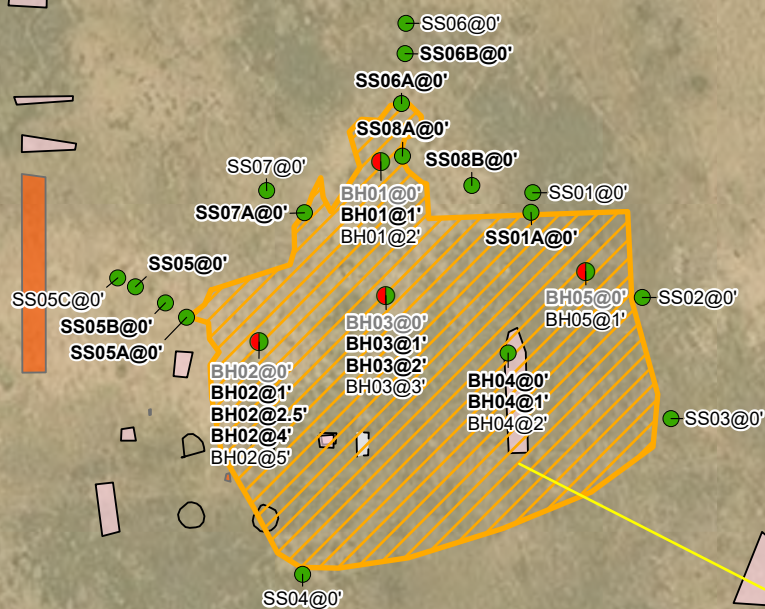
## FIGURE

1



## Legend

- |   |                  |
|---|------------------|
| ● Delineation Soil Sample in Compliance with Closure Criteria                       | ▭ Pad Boundary   |
| ● Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria | ▭ Facility       |
| — OIL AND GAS UTILITY   | ▭ Electrical     |
|   | ▭ Road           |
|   | ▭ Concrete       |
|   | ▭ Infrastructure |
|   | ▨ Release Extent |



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.

0 40 80 160  
 Feet

Sources: Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

Matador Production Company  
 Iggle Well Pad  
 Incident Number: nAPP2514028173  
 Unit O, Section 21, T 18S, R 34E  
 Lea County, New Mexico

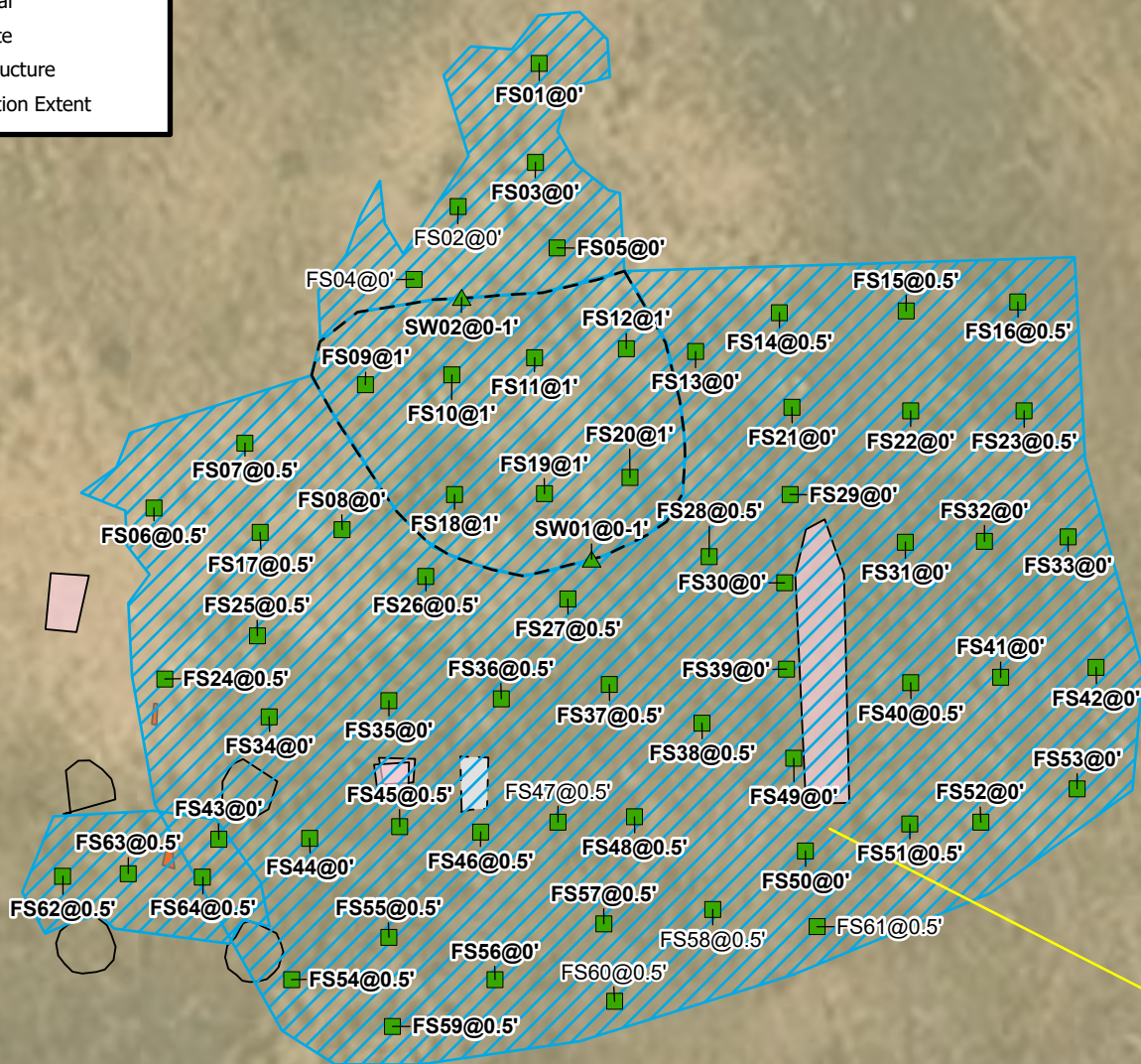
FIGURE

2



## Legend

- Excavation Floor Soil Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- OIL AND GAS UTILITY
- - Sidewall Extent 0-1'
- ▭ Pad Boundary
- ▭ Facility
- ▭ Electrical
- ▭ Concrete
- ▭ Infrastructure
- ▨ Excavation Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Concentrations in **bold** exceed the NMOCD Table I  
 Closure Criteria reclamation standard where applicable.  
 Red text represents samples that exceed Closure Criteria.

0 17.5 35 70  
 Feet

Sources: Environmental Systems Research Institute (ESRI)

## Excavation Soil Sample Locations

Matador Production Company  
 Iggle Well Pad  
 Incident Number: nAPP2514028173  
 Unit O, Section 21, T 18S, R 34E  
 Lea County, New Mexico

FIGURE

3





TABLES

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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
SS01	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.9
SS01A	10/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,680</b>
SS02	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
SS03	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	404
SS04	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	513
SS05	8/11/2025	0	<0.0250	<0.0500	<20.0	33.5	51.4	33.5	84.9	<b>626</b>
SS05A	10/13/2025	0	<0.0250	<0.0500	<20.0	176	186	176	<b>362</b>	<b>712</b>
SS05B	10/13/2025	0	<0.0250	<0.0500	<20.0	28.4	<50.0	28.4	<50.0	<b>1,180</b>
SS05C	10/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	110
SS06	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	140
SS06A	10/13/2025	0	<0.0250	<0.0500	<20.0	64.9	85.2	64.9	<b>150</b>	<b>1,140</b>
SS06B	10/13/2025	0	<0.0250	<0.0500	<20.0	44.9	64.3	44.9	<b>109</b>	<b>1,160</b>
SS07	8/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	586
SS07A	10/13/2025	0	<0.0250	<0.0500	<20.0	77.6	97.8	77.6	<b>175</b>	<b>2,120</b>
SS08A	10/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>7,410</b>
SS08B	10/13/2025	0	<0.0250	<0.0500	<20.0	175	281	175	<b>456</b>	<b>4,940</b>
BH01	7/9/2025	0	<0.0250	<0.0500	<20.0	125	150	125	<b>275</b>	<b>4,230</b>
BH01	7/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>9,970</b>
BH01	7/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.0
BH02	7/9/2025	0	<0.0250	<0.0500	<20.0	27.3	<50.0	27.3	27.3	<b>1,100</b>
BH02	7/9/2025	1	<0.0250	<0.0500	<20.0	49.6	53.2	49.6	<b>103</b>	<b>2,280</b>
BH02	8/4/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>5,720</b>
BH02	8/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,430</b>
BH02	8/11/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	214
BH03	7/9/2025	0	<0.0250	<0.0500	<20.0	3450	4,150	3450	<b>7,600</b>	<b>19,100</b>
BH03	7/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,030</b>
BH03	7/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,010</b>
BH03	7/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.7
BH04	7/10/2025	0	<0.0250	<0.0500	<20.0	340	365	340	705	<b>15,800</b>



**TABLE 1 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH04	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,080
BH04	7/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	129
BH05	7/10/2025	0	<0.0250	<0.0500	<20.0	521	750	521	1,271	9,780
BH05	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.0

**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

&lt;": Laboratory Analytical result is less than reporting limit

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

**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS01	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,110</b>
FS02	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	515
FS03	9/30/2025	0	<0.0250	<0.0500	<20.0	94.9	169	94.9	<b>264</b>	<b>7,880</b>
FS04	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.3
FS05	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,800</b>
FS06	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,770</b>
FS07	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,550</b>
FS08	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,670</b>
FS09	9/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,080</b>
FS10	9/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,130</b>
FS11	9/26/2025	1	<0.0250	<0.0500	<20.0	31.1	<50.0	31.1	<50.0	<b>7,620</b>
FS12	9/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,870</b>
FS13	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,550</b>
FS14	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>11,800</b>
FS15	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>10,600</b>
FS16	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>9,270</b>
FS17	10/1/2025	0.5	<0.0250	<0.0500	<20.0	111	146	111	<b>257</b>	<b>1,240</b>
FS18	9/26/2025	1	<0.0250	<0.0500	<20.0	130	144	130	<b>274</b>	<b>7,110</b>
FS19	9/26/2025	1	<0.0250	<0.0500	<20.0	35.2	<50.0	35.2	<50.0	<b>8,440</b>
FS20	9/26/2025	1	<0.0250	<0.0500	<20.0	72.2	76.6	72.2	<b>149</b>	<b>7,780</b>
FS21	9/30/2025	0	<0.0250	<0.0500	<20.0	150	302	150	<b>452</b>	<b>8,590</b>
FS22	9/30/2025	0	<0.0250	<0.0500	<20.0	49.4	66.1	49.4	<b>116</b>	<b>13,000</b>
FS23	10/1/2025	0.5	<0.0250	<0.0500	<20.0	49.1	79.4	49.1	<b>129</b>	<b>5,350</b>
FS24	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>5,840</b>
FS25	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,320</b>
FS26	10/1/2025	0.5	<0.0250	<0.0500	<20.0	26.9	<50.0	26.9	<50.0	<b>1,980</b>
FS27	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,850</b>
FS28	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,870</b>
FS29	10/1/2025	0	<0.0250	<0.0500	<20.0	219	324	219	<b>543</b>	<b>10,900</b>



**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS30	10/1/2025	0	<0.0250	<0.0500	<20.0	135	205	135	<b>340</b>	<b>12,700</b>
FS31	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,780</b>
FS32	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,550</b>
FS33	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,920</b>
FS34	10/1/2025	0	<0.0250	<0.0500	<20.0	40.5	60.0	40.5	<b>101</b>	<b>4,930</b>
FS35	10/1/2025	0	<0.0250	<0.0500	<20.0	430	131	430	<b>561</b>	<b>2,780</b>
FS36	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,090</b>
FS37	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,950</b>
FS38	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,320</b>
FS39	9/29/2025	0	<0.0250	<0.0500	<20.0	115	170	115	<b>285</b>	<b>14,200</b>
FS40	9/30/2025	0.5	<0.0250	<0.0500	<20.0	37.5	<50.0	37.5	<50.0	<b>8,730</b>
FS41	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,730</b>
FS42	9/30/2025	0	<0.0250	<0.0500	<20.0	174	257	174	<b>431</b>	<b>8,420</b>
FS43	10/1/2025	0	<0.0250	<0.0500	<20.0	300	379	300	<b>679</b>	<b>415</b>
FS44	10/1/2025	0	<0.0250	<0.0500	<20.0	179	161	179	<b>340</b>	<b>8,140</b>
FS45	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,390</b>
FS46	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,260</b>
FS47	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>145</b>
FS48	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,350</b>
FS49	9/29/2025	0	<0.0250	<0.0500	<20.0	393	512	393	<b>905</b>	<b>3,180</b>
FS50	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,220</b>
FS51	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,100</b>
FS52	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>8,210</b>
FS53	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,790</b>
FS54	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,690</b>
FS55	9/30/2025	0.5	<0.0250	<0.0500	<20.0	106	149	106	<b>255</b>	<b>4,180</b>
FS56	9/29/2025	0	<0.0250	<0.0500	<20.0	562	790	562	<b>1,352</b>	<b>5,540</b>





**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS57	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>614</b>
FS58	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	493
FS59	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>884</b>
FS60	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	325
FS61	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	144
FS62	12/10/2025	0.5	<0.0250	0.0584	<20.0	378	243	378	<b>621</b>	<b>5,710</b>
FS63	12/10/2025	0.5	<0.0250	<0.0500	<20.0	505	283	505	<b>788</b>	<b>7,010</b>
FS64	12/10/2025	0.5	<0.0250	<0.0500	<20.0	343	204	343	<b>547</b>	<b>6,890</b>
<b>Excavation Sidewall Soil Samples</b>										
SW01	9/26/2025	0-1	<0.0250	<0.0500	<20.0	75.8	125	75.8	<b>201</b>	<b>6,920</b>
SW02	9/26/2025	0-1	<0.0250	<0.0500	<20.0	116	<50.0	116	<b>116</b>	<b>5,600</b>

**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

&lt;": Laboratory Analytical result is less than reporting limit

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



## APPENDIX A

### Photographic Log

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**Photographic Log**

Matador Production Company

Iggles Well Pad

nAPP2514028173



Photograph 1  
Description: Excavation  
View: Southeast

Date: 12/10/2025



Photograph 2  
Description: Excavation  
View: East

Date: 12/10/2025



Photograph 3  
Description: Excavation  
View: Southeast

Date: 12/10/2025



Photograph 4  
Description: Excavation  
View: East

Date: 12/10/2025



## APPENDIX B

### Laboratory Analytical Reports & Chain-of-Custody Documentation

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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: Iggles Well Pad

Work Order: E512105

Job Number: 23003-0002

Received: 12/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/15/25

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



Date Reported: 12/15/25



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

Project Name: Iggles Well Pad  
Workorder: E512105  
Date Received: 12/11/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/11/2025 7:30:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/15/25 08:42
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS62-0.5'	E512105-01A	Soil	12/10/25	12/11/25	Glass Jar, 2 oz.
FS63-0.5'	E512105-02A	Soil	12/10/25	12/11/25	Glass Jar, 2 oz.
FS64-0.5'	E512105-03A	Soil	12/10/25	12/11/25	Glass Jar, 2 oz.





Case Narrative:

Project Name: Iggles Well Pad

Workorder:E512105

Date Received: 12/11/25 07:30

The client requested the following sample(s) to be re-extracted and re-analyzed:

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Analysis</u>
FS63-0.5'	E512105-02A	DRO/ORO by 8015

The analytical test results summarized in this revised report represent this re-extraction and re-analysis.

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

Respectfully,

Walter Hinchman



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
12/15/2025 8:42:08AM

FS62-0.5'

E512105-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: MB		Batch: 2550071	
Benzene	ND	0.0250	1	12/11/25	12/11/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/11/25	
Toluene	ND	0.0250	1	12/11/25	12/11/25	
o-Xylene	ND	0.0250	1	12/11/25	12/11/25	
p,m-Xylene	0.0584	0.0500	1	12/11/25	12/11/25	
Total Xylenes	0.0584	0.0250	1	12/11/25	12/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	12/11/25	12/11/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: MB		Batch: 2550071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.3 %	70-130	12/11/25	12/11/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2550070	
Diesel Range Organics (C10-C28)	378	25.0	1	12/11/25	12/11/25	
Oil Range Organics (C28-C36)	243	50.0	1	12/11/25	12/11/25	
<i>Surrogate: n-Nonane</i>						
		94.6 %	61-141	12/11/25	12/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2550074	
Chloride	5710	40.0	2	12/11/25	12/11/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
12/15/2025 8:42:08AM

FS63-0.5'

E512105-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: MB		Batch: 2550071	
Benzene	ND	0.0250	1	12/11/25	12/11/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/11/25	
Toluene	ND	0.0250	1	12/11/25	12/11/25	
o-Xylene	ND	0.0250	1	12/11/25	12/11/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/11/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	12/11/25	12/11/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: MB		Batch: 2550071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		112 %	70-130	12/11/25	12/11/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2550087	
Diesel Range Organics (C10-C28)	505	25.0	1	12/12/25	12/12/25	
Oil Range Organics (C28-C36)	313	50.0	1	12/12/25	12/12/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	12/12/25	12/12/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2550074	
Chloride	7010	100	5	12/11/25	12/11/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
12/15/2025 8:42:08AM

FS64-0.5'

E512105-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: MB		Batch: 2550071	
Benzene	ND	0.0250	1	12/11/25	12/11/25	
Ethylbenzene	ND	0.0250	1	12/11/25	12/11/25	
Toluene	ND	0.0250	1	12/11/25	12/11/25	
o-Xylene	ND	0.0250	1	12/11/25	12/11/25	
p,m-Xylene	ND	0.0500	1	12/11/25	12/11/25	
Total Xylenes	ND	0.0250	1	12/11/25	12/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	12/11/25	12/11/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: MB		Batch: 2550071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/25	12/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	12/11/25	12/11/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2550070	
Diesel Range Organics (C10-C28)	343	25.0	1	12/11/25	12/11/25	
Oil Range Organics (C28-C36)	204	50.0	1	12/11/25	12/11/25	
<i>Surrogate: n-Nonane</i>						
		90.2 %	61-141	12/11/25	12/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2550074	
Chloride	6890	100	5	12/11/25	12/11/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2025 8:42:08AM

## Volatile Organics by EPA 8021B

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2550071-BLK1)

Prepared: 12/11/25 Analyzed: 12/11/25

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	8.67		8.00		108	70-130			

## LCS (2550071-BS1)

Prepared: 12/11/25 Analyzed: 12/11/25

Benzene	4.52	0.0250	5.00		90.3	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.1	70-130			
Toluene	4.46	0.0250	5.00		89.3	70-130			
o-Xylene	4.37	0.0250	5.00		87.4	70-130			
p,m-Xylene	8.82	0.0500	10.0		88.2	70-130			
Total Xylenes	13.2	0.0250	15.0		88.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			

## Matrix Spike (2550071-MS1)

Source: E512105-02

Prepared: 12/11/25 Analyzed: 12/11/25

Benzene	4.53	0.0250	5.00	ND	90.7	70-130			
Ethylbenzene	4.31	0.0250	5.00	ND	86.2	70-130			
Toluene	4.47	0.0250	5.00	ND	89.5	70-130			
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130			
p,m-Xylene	8.81	0.0500	10.0	ND	88.1	70-130			
Total Xylenes	13.2	0.0250	15.0	ND	87.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.00		8.00		113	70-130			

## Matrix Spike Dup (2550071-MSD1)

Source: E512105-02

Prepared: 12/11/25 Analyzed: 12/11/25

Benzene	4.85	0.0250	5.00	ND	97.0	70-130	6.72	27	
Ethylbenzene	4.61	0.0250	5.00	ND	92.1	70-130	6.61	26	
Toluene	4.77	0.0250	5.00	ND	95.5	70-130	6.48	20	
o-Xylene	4.66	0.0250	5.00	ND	93.2	70-130	6.59	25	
p,m-Xylene	9.40	0.0500	10.0	ND	94.0	70-130	6.46	23	
Total Xylenes	14.1	0.0250	15.0	ND	93.7	70-130	6.50	26	
Surrogate: 4-Bromochlorobenzene-PID	8.93		8.00		112	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2025 8:42:08AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2550071-BLK1)

Prepared: 12/11/25 Analyzed: 12/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.98		8.00		112	70-130			

## LCS (2550071-BS2)

Prepared: 12/11/25 Analyzed: 12/11/25

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.05		8.00		113	70-130			

## Matrix Spike (2550071-MS2)

Source: E512105-02

Prepared: 12/11/25 Analyzed: 12/11/25

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.16		8.00		115	70-130			

## Matrix Spike Dup (2550071-MSD2)

Source: E512105-02

Prepared: 12/11/25 Analyzed: 12/11/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	2.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.94		8.00		112	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2025 8:42:08AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2550070-BLK1)

Prepared: 12/11/25 Analyzed: 12/11/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.9		50.0		93.9	61-141			

## LCS (2550070-BS1)

Prepared: 12/11/25 Analyzed: 12/11/25

Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: <i>n</i> -Nonane	49.0		50.0		97.9	61-141			

## Matrix Spike (2550070-MS1)

Source: E512103-01

Prepared: 12/11/25 Analyzed: 12/11/25

Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: <i>n</i> -Nonane	53.1		50.0		106	61-141			

## Matrix Spike Dup (2550070-MSD1)

Source: E512103-01

Prepared: 12/11/25 Analyzed: 12/11/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156	2.05	20	
Surrogate: <i>n</i> -Nonane	52.1		50.0		104	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2025 8:42:08AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

Blank (2550087-BLK1)					Prepared: 12/12/25 Analyzed: 12/12/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

LCS (2550087-BS1)					Prepared: 12/12/25 Analyzed: 12/12/25				
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	49.5		50.0		98.9	61-141			

LCS Dup (2550087-BSD1)					Prepared: 12/12/25 Analyzed: 12/12/25				
Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144	12.0	20	
Surrogate: n-Nonane	54.5		50.0		109	61-141			

Matrix Spike (2550087-MS1)					Source: E512120-02		Prepared: 12/12/25 Analyzed: 12/12/25		
Diesel Range Organics (C10-C28)	746	25.0	250	816	NR	56-156			M4
Surrogate: n-Nonane	140		50.0		280	61-141			S5

Matrix Spike Dup (2550087-MSD1)					Source: E512120-02		Prepared: 12/12/25 Analyzed: 12/12/25		
Diesel Range Organics (C10-C28)	1040	25.0	250	816	88.6	56-156	32.7	20	R3
Surrogate: n-Nonane	205		50.0		411	61-141			S5





QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2025 8:42:08AM

Anions by EPA 300.0/9056A

Analyst: TP

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

Blank (2550074-BLK1)						Prepared: 12/11/25 Analyzed: 12/11/25			
Chloride	ND	20.0							
LCS (2550074-BS1)						Prepared: 12/11/25 Analyzed: 12/11/25			
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2550074-MS1)				Source: E512103-02		Prepared: 12/11/25 Analyzed: 12/11/25			
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2550074-MSD1)				Source: E512103-02		Prepared: 12/11/25 Analyzed: 12/11/25			
Chloride	256	20.0	250	ND	102	80-120	0.0867	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/25 08:42

- M4Matrix 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.
- R3The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S5Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- NDAnalyte NOT DETECTED at or above the reporting limit
- NRNot Reported
- RPDRelative Percent Difference
- DNIDid Not Ignite
- DNRDid 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.

<p>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.</p>
<p>Lab Use Only</p>
<p>Received on ice:   / N</p>

## Envirotech Analytical Laboratory

Printed: 12/11/2025 8:42:31AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/11/25 07:30	Work Order ID:	E512105
Phone:	(972) 371-5200	Date Logged In:	12/10/25 15:19	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	12/11/25 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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.



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT			State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1d	2D	3D	Std	NM	CO	UT	TX					
Project Name: Igges Well Pad				Address: 3122 National Parks Hwy		E512105	23002000					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	GRQ/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
940	12/10/2025	S	1	FS62 - 0.5'		1								X			0.8			Client requested
849	12/10/2025	S	1	FS63 - 0.5'		2								X			1.6			re-run
851	12/10/2025	S	1	FS64 - 0.5'		3								X			0.8			for DRO-ORO
																				NS 12-12-25
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																				
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.								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> 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.																				



## APPENDIX C

# Remediation Closure Request

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October 30, 2025

**New Mexico Energy Minerals and Natural Resources Department**

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

**Re: Closure Request  
Iggles Well Pad  
Incident Number nAPP2514028173  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, and soil sampling activities at the Iggles Well Pad (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water at the Site. Based on field observations, field screening activities, and laboratory analytical results from confirmation soil sampling activities, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and confirmation sampling activities that have occurred and requesting no further action for Incident Number nAPP2514028173.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit O, Section 21, Township 18 South, Range 34 East, in Lea County, New Mexico (32.72718°, -103.56113°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On May 19, 2025, a 90 washed out on the high-pressure manifold during fracking operations, which resulted in the release of 40 barrels (bbls) of produced water on pad; 10 bbls of produced water were recovered. Matador submitted a Release Notification Form C-141 (C-141) on May 20, 2025. The Form C-141 can be referenced on the New Mexico Oil Conservation Division (NMOCD) Portal.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is Office of the State Engineer (OSE) well L-2499 POD3, located approximately 1,457 feet east of the Site. The well had a reported depth to groundwater of 121 feet below ground surface (bgs). There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to

suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determinations are presented on Figure 1. The referenced well record and log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 891 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

## CULTURAL AND BIOLOGICAL REVIEW

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

The Site is located within the historical range of the Lesser Prairie Chicken (LPC), near an isolated population area, and within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area. The Site is located near the range of the Dunes Sagebrush Lizard; however, no suitable habitat for the Dunes Sagebrush Lizard was identified at the Site. A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. Threatened or endangered bird species (LPC or others) are potentially present in the area near the Site. No native vegetation/habitat outside of the well pad extent were disturbed during delineation and confirmation sampling activities. The Site area is greater than 1,000 feet to surface water, wetlands, or other sensitive receptors. Remediation activities at the Site were completed without mechanical equipment during the LPC brooding season. Mechanical equipment was used once brooding season for the LPC had concluded.

## SITE ASSESSMENT AND DELINEATION ACTIVITIES

Beginning on July 2, 2025, through August 11, 2025, and October 13, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Preliminary soil samples SS01, SS01A, SS02 through SS04, SS05 through SS05C, SS06 through SS06B, SS07, SS07A, SS08 and SS08B were collected at ground surface to assess the lateral extent of the release area. Five boreholes (BH01 through BH05) were advanced within the release extent to assess the vertical extent of impacted soil; boreholes BH01 and BH04 were advanced to a



depth of 2 feet bgs, borehole BH02 was advanced to a depth of 5 feet bgs, borehole BH03 was advanced to a depth of 5 feet bgs, and borehole BH05 was advanced to a depth of 1-foot bgs via hand auger and truck mounted air-rotary drill rig.

The preliminary soil samples and boreholes were field screened for chloride and TPH utilizing Hatch® QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary 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. Photographs from delineation activities can be referenced in the Photolog which is included in Appendix C.

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

## EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Ensolum personnel returned to the Site on September 25, 2025, to oversee a surface scrape of the impacted area on pad and to collect confirmation soil samples within the release extent. The surface scrape was completed with a 4 cubic yard front-end loader. A confirmation sampling variance was submitted to NMOCD on August 21, 2025, to increase confirmation sampling areas to 400 square feet from the floor of the excavation and 200 square feet from the sidewalls of the excavation. The confirmation sampling variance was approved by the NMOCD on August 21, 2025.

Ensolum personnel collected 5-point composite soil samples representing no more than 400 square feet from the floor of the release extent and 5-point composite soil samples representing no more than every 200 feet from the sidewalls of the excavation area that extended deeper than 1-foot bgs; in areas of the excavation that were not advanced to a depth of 1-foot bgs or deeper, the sidewalls are included in the composite floor samples. 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. Composite soil samples FS01 through FS61 and composite sidewall soil samples SW01 and SW02 were collected from the release extent at depths ranging from ground surface to 1-foot bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above.

The final excavation extent measured approximately 23,692 square feet and approximately 234 cubic yards of waste-containing soil was hauled to Lea Land Disposal Facility in Carlsbad, New Mexico. The release extent and confirmation soil sample locations are presented on Figure 3.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01, SS02, SS03, SS05C, SS06, and SS07 indicated COCs were all in compliance with the Site Closure Criteria and the strictest Closure Criteria at ground surface. Laboratory analytical results for preliminary soil samples SS01A, SS04 SS05A, SS05B, and SS06A and SS06B, SS07A, SS08A, and SS08B indicated COCs were all in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results for boreholes BH01 and BH04 indicated all COCs were in compliance with the Site Closure Criteria and the strictest Closure Criteria at 2 feet bgs. Laboratory analytical results for borehole BH02 indicated all COCs were in compliance with

Matador Production Company  
Iggles Well Pad  
Closure Request



the Site Closure Criteria and the strictest Closure Criteria at 5 feet bgs. Laboratory analytical results for borehole BH03 indicated all COCs were in compliance with the Site Closure Criteria at ground surface and with the strictest Closure Criteria at 3 feet bgs and laboratory analytical results for borehole BH03 indicated all COCs were in compliance with the Site Closure Criteria and with the strictest Closure Criteria at 1-foot bgs.

Laboratory analytical results for all confirmation floor soil samples (FS01 through FS61) and sidewall samples (SW01 through SW02) indicated COC concentrations were all in compliance with the Site Closure Criteria at depths ranging from ground surface to a depth of 1-foot bgs. Laboratory analytical results are summarized in Tables 1, and 2, and the complete laboratory analytical reports are included as Appendix D.

## CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01, SS02 through SS04, SS05C, SS06, and SS07, collected at ground surface, and vertically by boreholes BH01 through BH05, collected at depths ranging from ground surface to 5 feet bgs. Confirmation floor samples FS01 through FS61 and confirmation sidewall soil samples SW01 and SW02, collected at depths ranging from ground surface to 1-foot bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2514028173.

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

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Ashley Giovengo".

Ashley Giovengo  
Associate Principal

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

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

cc: Jason Touchet, Matador  
NMSLO

Matador Production Company  
Iggles Well Pad  
Closure Request



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**Appendices:**

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



FIGURES





## Site Receptor Map

Matador Production Company  
Iggles Well Pad  
Incident Number: nAPP2514028173  
Unit O, Section 21, T 18S, R 34E  
Lea County, New Mexico

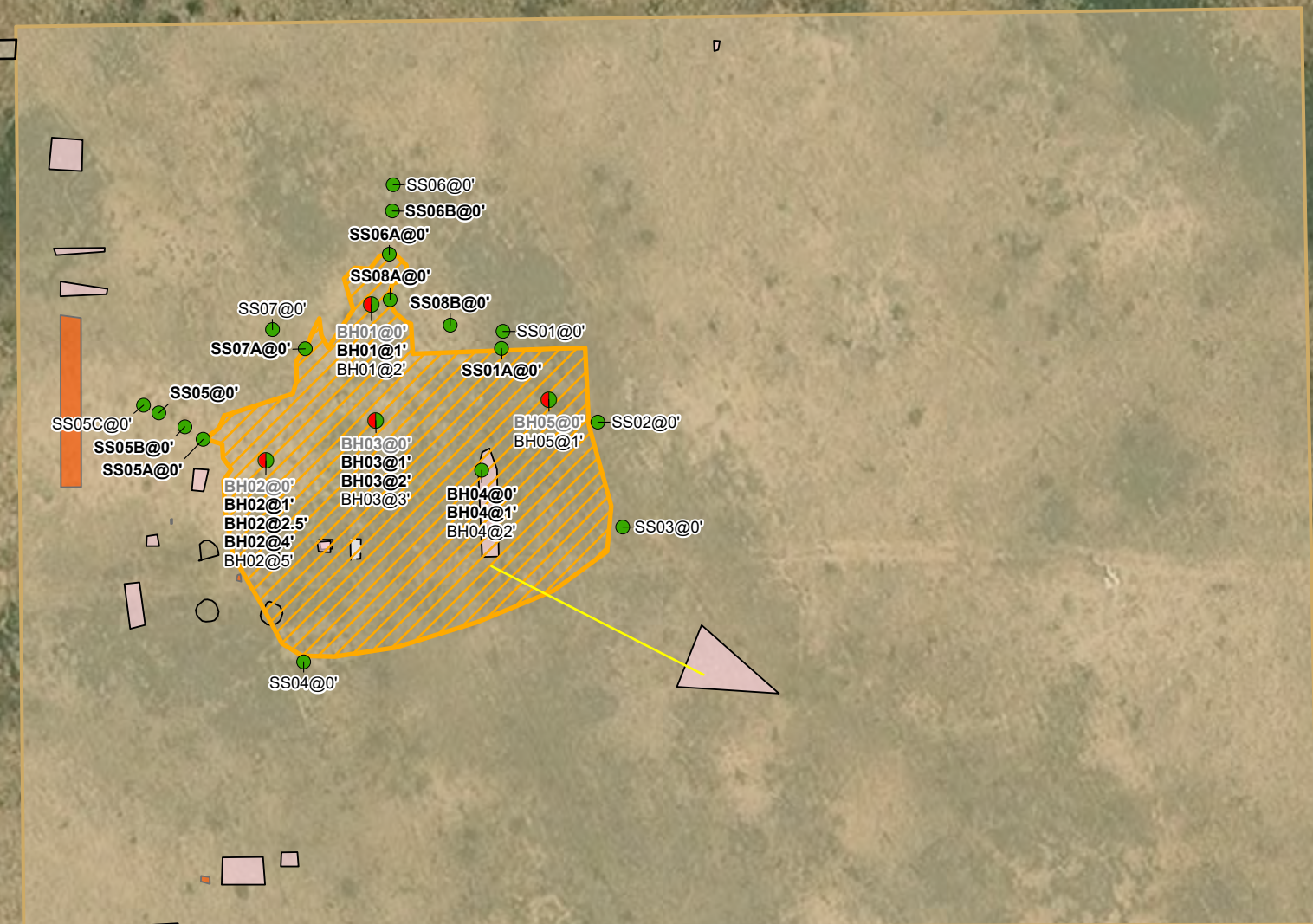
## FIGURE

1



# Legend

- |   |                  |
|---|------------------|
| ● Delineation Soil Sample in Compliance with Closure Criteria                       | ▭ Pad Boundary   |
| ● Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria | ▭ Facility       |
| — OIL AND GAS UTILITY   | ▭ Electrical     |
|   | ▭ Road           |
|   | ▭ Concrete       |
|   | ▭ Infrastructure |
|   | ▨ Release Extent |



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.

0 40 80 160  
 Feet

Sources: Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

Matador Production Company  
 Iggle Well Pad  
 Incident Number: nAPP2514028173  
 Unit O, Section 21, T 18S, R 34E  
 Lea County, New Mexico

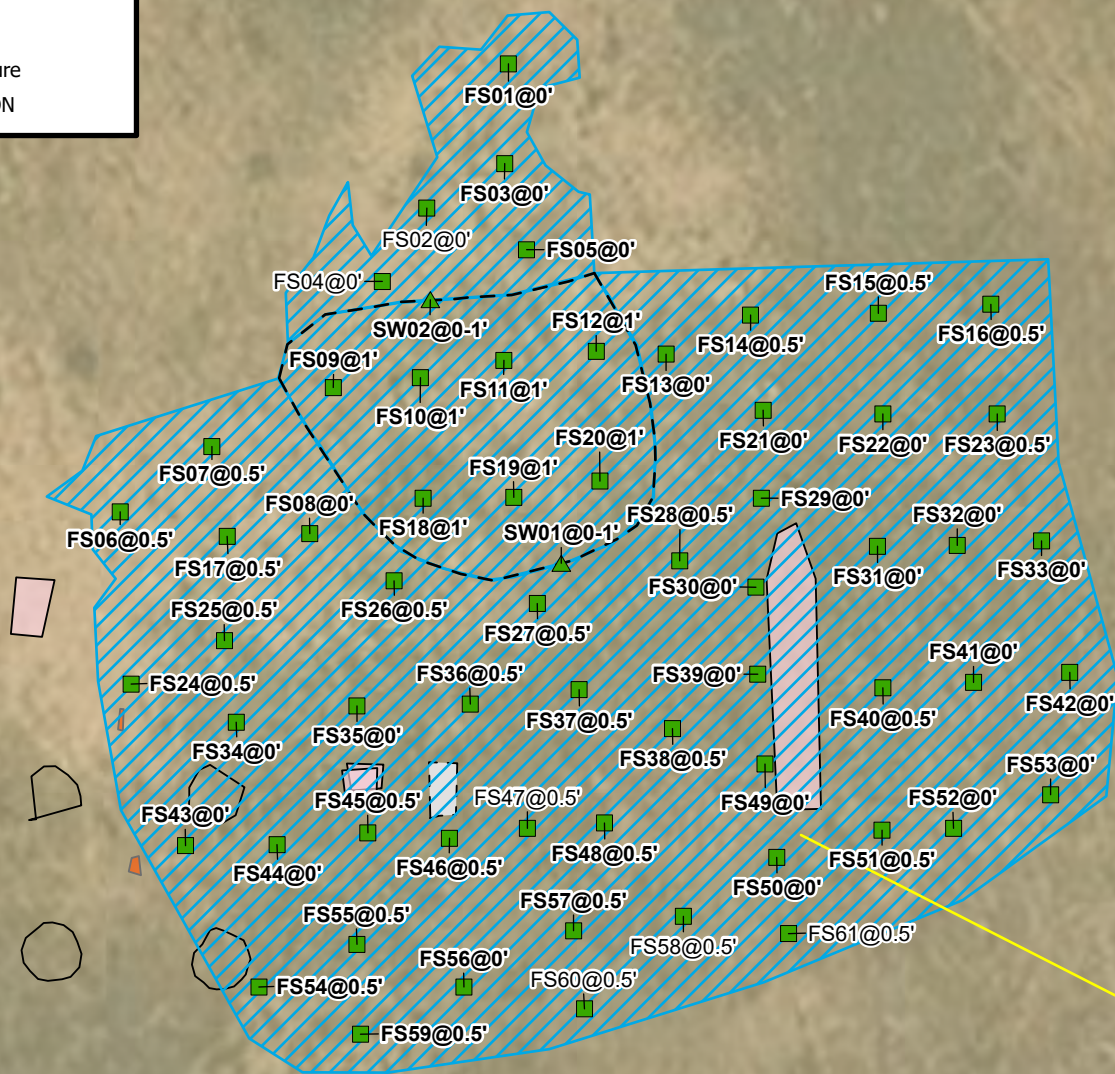
FIGURE

2



## Legend

- Excavation Floor Soil Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- OIL AND GAS UTILITY
- - Sidewall Extent 0-1'
- ▭ Pad Boundary
- ▭ Facility
- ▭ Electrical
- ▭ Concrete
- ▭ Infrastructure
- ▨ EXCAVATION



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Concentrations in **bold** exceed the NMOCD Table I  
 Closure Criteria reclamation standard where applicable.

0 17.5 35 70  
 Feet

Sources: Environmental Systems Research Institute (ESRI)

## Excavation Soil Sample Locations

Matador Production Company  
 Iggle Well Pad  
 Incident Number: nAPP2514028173  
 Unit O, Section 21, T 18S, R 34E  
 Lea County, New Mexico

FIGURE

3





TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
SS01	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.9
SS01A	10/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,680</b>
SS02	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
SS03	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	404
SS04	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	513
SS05	8/11/2025	0	<0.0250	<0.0500	<20.0	33.5	51.4	33.5	84.9	<b>626</b>
SS05A	10/13/2025	0	<0.0250	<0.0500	<20.0	176	186	176	<b>362</b>	<b>712</b>
SS05B	10/13/2025	0	<0.0250	<0.0500	<20.0	28.4	<50.0	28.4	<50.0	<b>1,180</b>
SS05C	10/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	110
SS06	8/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	140
SS06A	10/13/2025	0	<0.0250	<0.0500	<20.0	64.9	85.2	64.9	<b>150</b>	<b>1,140</b>
SS06B	10/13/2025	0	<0.0250	<0.0500	<20.0	44.9	64.3	44.9	<b>109</b>	<b>1,160</b>
SS07	8/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	586
SS07A	10/13/2025	0	<0.0250	<0.0500	<20.0	77.6	97.8	77.6	<b>175</b>	<b>2,120</b>
SS08A	10/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>7,410</b>
SS08B	10/13/2025	0	<0.0250	<0.0500	<20.0	175	281	175	<b>456</b>	<b>4,940</b>
BH01	7/9/2025	0	<0.0250	<0.0500	<20.0	125	150	125	<b>275</b>	<b>4,230</b>
BH01	7/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>9,970</b>
BH01	7/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.0
BH02	7/9/2025	0	<0.0250	<0.0500	<20.0	27.3	<50.0	27.3	27.3	<b>1,100</b>
BH02	7/9/2025	1	<0.0250	<0.0500	<20.0	49.6	53.2	49.6	<b>103</b>	<b>2,280</b>
BH02	8/4/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>5,720</b>
BH02	8/11/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,430</b>
BH02	8/11/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	214
BH03	7/9/2025	0	<0.0250	<0.0500	<20.0	3450	4,150	3,450	<b>7,600</b>	<b>19,100</b>
BH03	7/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,030</b>
BH03	7/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,010</b>
BH03	7/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.7
BH04	7/10/2025	0	<0.0250	<0.0500	<20.0	340	365	340	705	<b>15,800</b>



**TABLE 1 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH04	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,080</b>
BH04	7/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	129
BH05	7/10/2025	0	<0.0250	<0.0500	<20.0	521	750	521	1,271	9,780
BH05	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.0

**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

Red text represents samples that exceed expected Closure Criteria

&lt;": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I 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

**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS01	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,110</b>
FS02	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	515
FS03	9/30/2025	0	<0.0250	<0.0500	<20.0	94.9	169	94.9	<b>264</b>	<b>7,880</b>
FS04	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.3
FS05	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,800</b>
FS06	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,770</b>
FS07	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,550</b>
FS08	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,670</b>
FS09	9/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,080</b>
FS10	9/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,130</b>
FS11	9/26/2025	1	<0.0250	<0.0500	<20.0	31.1	<50.0	31.1	<50.0	<b>7,620</b>
FS12	9/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,870</b>
FS13	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,550</b>
FS14	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>11,800</b>
FS15	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>10,600</b>
FS16	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>9,270</b>
FS17	10/1/2025	0.5	<0.0250	<0.0500	<20.0	111	146	111	<b>257</b>	<b>1,240</b>
FS18	9/26/2025	1	<0.0250	<0.0500	<20.0	130	144	130	<b>274</b>	<b>7,110</b>
FS19	9/26/2025	1	<0.0250	<0.0500	<20.0	35.2	<50.0	35.2	<50.0	<b>8,440</b>
FS20	9/26/2025	1	<0.0250	<0.0500	<20.0	72.2	76.6	72.2	<b>149</b>	<b>7,780</b>
FS21	9/30/2025	0	<0.0250	<0.0500	<20.0	150	302	150	<b>452</b>	<b>8,590</b>
FS22	9/30/2025	0	<0.0250	<0.0500	<20.0	49.4	66.1	49.4	<b>116</b>	<b>13,000</b>
FS23	10/1/2025	0.5	<0.0250	<0.0500	<20.0	49.1	79.4	49.1	<b>129</b>	<b>5,350</b>
FS24	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>5,840</b>
FS25	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,320</b>
FS26	10/1/2025	0.5	<0.0250	<0.0500	<20.0	26.9	<50.0	26.9	<50.0	<b>1,980</b>
FS27	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,850</b>
FS28	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,870</b>
FS29	10/1/2025	0	<0.0250	<0.0500	<20.0	219	324	219	<b>543</b>	<b>10,900</b>



**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS30	10/1/2025	0	<0.0250	<0.0500	<20.0	135	205	135	<b>340</b>	<b>12,700</b>
FS31	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,780</b>
FS32	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,550</b>
FS33	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,920</b>
FS34	10/1/2025	0	<0.0250	<0.0500	<20.0	40.5	60.0	40.5	<b>101</b>	<b>4,930</b>
FS35	10/1/2025	0	<0.0250	<0.0500	<20.0	430	131	430	<b>561</b>	<b>2,780</b>
FS36	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,090</b>
FS37	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,950</b>
FS38	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,320</b>
FS39	9/29/2025	0	<0.0250	<0.0500	<20.0	115	170	115	<b>285</b>	<b>14,200</b>
FS40	9/30/2025	0.5	<0.0250	<0.0500	<20.0	37.5	<50.0	37.5	<50.0	<b>8,730</b>
FS41	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,730</b>
FS42	9/30/2025	0	<0.0250	<0.0500	<20.0	174	257	174	<b>431</b>	<b>8,420</b>
FS43	10/1/2025	0	<0.0250	<0.0500	<20.0	300	379	300	<b>679</b>	<b>415</b>
FS44	10/1/2025	0	<0.0250	<0.0500	<20.0	179	161	179	<b>340</b>	<b>8,140</b>
FS45	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,390</b>
FS46	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,260</b>
FS47	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>145</b>
FS48	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,350</b>
FS49	9/29/2025	0	<0.0250	<0.0500	<20.0	393	512	393	<b>905</b>	<b>3,180</b>
FS50	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,220</b>
FS51	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,100</b>
FS52	9/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>8,210</b>
FS53	10/1/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,790</b>
FS54	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,690</b>
FS55	9/30/2025	0.5	<0.0250	<0.0500	<20.0	106	149	106	<b>255</b>	<b>4,180</b>
FS56	9/29/2025	0	<0.0250	<0.0500	<20.0	562	790	562	<b>1,352</b>	<b>5,540</b>



**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Iggles Well Pad  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
<b>Excavation Floor Soil Samples</b>										
FS57	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>614</b>
FS58	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	493
FS59	10/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>884</b>
FS60	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	325
FS61	9/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	144
<b>Excavation Sidewall Soil Samples</b>										
SW01	9/26/2025	0-1	<0.0250	<0.0500	<20.0	75.8	125	75.8	<b>201</b>	<b>6,920</b>
SW02	9/26/2025	0-1	<0.0250	<0.0500	<20.0	116	<50.0	116	<b>116</b>	<b>5,600</b>

**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

Red text represents samples that exceed expected Closure Criteria

&lt;": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I 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



## APPENDIX A

### Well Record and Log

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

STATE ENGINEER OFFICE  
ROS WELL, NEW MEXICO

2014 JUN 18 AM 9:31

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) <b>POD 2 EXPLORE</b> <i>POD 3</i>				OSE FILE NUMBER(S) <b>L-2499</b>			
	WELL OWNER NAME(S) <b>PEARCE TRUST RANCH</b>				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS <b>26 COLLIER LN</b>				CITY <b>TATUM</b>		STATE <b>NM</b>	ZIP <b>88267</b>
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE <b>32</b>	MINUTES <b>43</b>	SECONDS <b>33.00</b> N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE <b>103</b>	<b>33</b>	<b>24.00</b> W	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS								
2. OPTIONAL	(2.5 ACRE) $\frac{1}{4}$	(10 ACRE) <i>NW</i> $\frac{1}{4}$	(40 ACRE) <i>NW</i> $\frac{1}{4}$	(160 ACRE) <i>NW</i> $\frac{1}{4}$	SECTION <b>27</b>	TOWNSHIP <b>18</b>	RANGE <b>34</b>	
	SUBDIVISION NAME				LOT NUMBER	BLOCK NUMBER	UNIT/TRACT	
	HYDROGRAPHIC SURVEY				MAP NUMBER		TRACT NUMBER	
3. DRILLING INFORMATION	LICENSE NUMBER <b>WD1682</b>		NAME OF LICENSED DRILLER <b>JOHN NORRIS</b>			NAME OF WELL DRILLING COMPANY <b>HUNGRY HORSE LLC</b>		
	DRILLING STARTED <b>2-13-2014</b>		DRILLING ENDED <b>2-21-14</b>		DEPTH OF COMPLETED WELL (FT) <b>180</b>	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>121</b>		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (FT)		BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
	FROM	TO						
	0	180					<b>3/8</b>	<b>1/8</b>
4. WATER BEARING STRATA	DEPTH (FT)		THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)			YIELD (GPM)	
	FROM	TO						
	0	1	1	SOP SOIL				
	1	29	28	CALICHE				
	29	33	4	ROCK				
	33	84	51	SAND				
	84	87	3	ROCK				
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA <b>N/A</b>						TOTAL ESTIMATED WELL YIELD (GPM)	

FOR OSE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER <b>L-2499</b>	POD NUMBER <b>23</b>	TRN NUMBER
LOCATION <b>185.34E.27.111</b>		PAGE 1 OF 2

STATE ENGINEER OFFICE  
ROSWEIL, NEW MEXICO

<b>5. SEAL AND PUMP</b>	TYPE OF PUMP: <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> JET <input type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> TURBINE <input type="checkbox"/> CYLINDER <input type="checkbox"/> OTHER - SPECIFY: <b>UNKNOWN</b>						
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		FROM	TO				
		0	20				

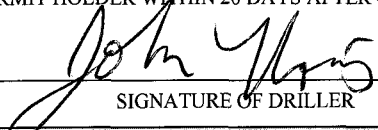
  

<b>6. GEOLOGIC LOG OF WELL</b>	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?		
	FROM	TO			<input type="checkbox"/> YES	<input type="checkbox"/> NO	
		87	171	84	SAND	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		171	180	9	RED CLAY	<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
	ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL						

<b>7. TEST &amp; ADDITIONAL INFO</b>	WELL TEST	METHOD: <input type="checkbox"/> BAILER <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> OTHER - SPECIFY: <b>N/A</b>	
		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.	
	ADDITIONAL STATEMENTS OR EXPLANATIONS:		

<b>8. SIGNATURE</b>	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER	<b>2-28-14</b> DATE

FOR OSE INTERNAL USE

WELL RECORD &amp; LOG (Version 6/9/08)


FILE NUMBER <b>L-2499</b>	POD NUMBER <b>23</b>	TRN NUMBER
LOCATION <b>185.34E.27.111</b>	PAGE 2 OF 2	




## APPENDIX B


### Lithologic Soil Sampling Logs


---


 <b>ENSOLUM</b>								Sample Name: BH01		Date: 7/09/2025	
								Site Name: Iggles Well Pad			
								Incident Number: nAPP2514028173			
								Job Number: 03A2270102			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Aboubakar Kone		Method: Auger	
Coordinates: 32.727406, -103.561018								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	12,689	ND	N	BH01	0	0	CCHE SM SW	Caliche - Pad material, Light brown to white, Well graded, Non-Plastic, Noncohesive Silty Sand w/ trace organics- Medium to dark brown, medium to very fine grained, Low plasticity, Cohesive, Thickly bedded, Poorly graded Sand w/ some gravel - Medium to light brown, Medium to fine grained w/ some small to large gravel, Well graded, Non-Plastic, Non-Cohesive, Well graded, Massive			
					1	0.5					
					2	1					
					2	2					
Total depth @ 2 ft bgs.											

							Sample Name: BH02		Date: 08/11/2025	
							Site Name: Iggles Well Pad			
							Incident Number: nAPP2514028173			
							Job Number: 03A2270102			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>							Logged By: AK, HG		Method: Air Rotary	
Coordinates: 32.727406, -103.561018							Hole Diameter: 6"		Total Depth: 6'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	1,965		N	BH02	0	0	CCHE	Caliche - Pad material, Light brown to white, Well graded, Non-Plastic, Noncohesive		
	7,398				1	1	CL	Clay with some gravel - Black very fine with some gravel, low plasticity, cohesive, massive		
	6,826				2	2				
	5,807				2.5	2.5				
	1,725				3	3				
	ND	13			4	4				
ND		5	5							
					6	6				
Total Depth @ 6 ft bgs.										



								Sample Name: BH03		Date: 7/09/25	
								Site Name: Iggles Well Pad			
								Incident Number: nAPP2514028173			
								Job Number: 03A2270102			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Aboubakar Kone		Method: Auger	
Coordinates: 32.727252, -103.561013								Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	7,190		N	BH03	0	0	CCHE	Caliche - Pad material, Light brown to white, Well graded, Non-Plastic, Noncohesive			
					1	1					
	1,294				2	2	SW	Sand w/ some gravel - Medium to light brown, Medium to fine grained w/ some small to large gravel, Well graded, Non-Plastic, Non-Cohesive, Well graded, Massive			
	ND	24			3	3					
Total depth @ 3 ft bgs.											

								Sample Name: BH04		Date: 7/10/25	
								Site Name: Iggles Well Pad			
								Incident Number: nAPP2514028173			
								Job Number: 03A2270102			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Aboubakar kone		Method: Auger	
Coordinates: 32.727184, -103.560849								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	2,100  ND		N	BH04	0	0	CCHE	Caliche - Pad material, Light brown to white, Well graded, Non-Plastic, Noncohesive			
					1	0.5	SM	Silty Sand w/ trace organics- Medium to dark brown, medium to very fine grained, Low plasticity, Cohesive, Thickly bedded, Poorly graded			
					2	1	SW	Sand w/ some gravel - Medium to light brown, Medium to fine grained w/ some small to large gravel, Well graded, Non-Plastic, Non-Cohesive, Well graded, Massive			
					2	2					
Total depth @ 2 ft bgs.											

								Sample Name: BH05		Date: 7/10/25	
								Site Name: Iggles Well Pad			
								Incident Number: nAPP2514028173			
								Job Number: 03A2270102			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Aboubakar Kone		Method: Auger	
Coordinates: 32.727277, -103.560742								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	9,890		N	BH05	0	0	CCHE	Caliche - Pad material, Light brown to white, Well graded, Non-Plastic, Noncohesive			
	ND	24			1	1	SM	Silty Sand w/ trace organics- Medium to dark brown, medium to very fine grained, Low plasticity, Cohesive, Thickly bedded,			
Total Depth @ 1 ft bgs.											



## APPENDIX C

### Photographic Log

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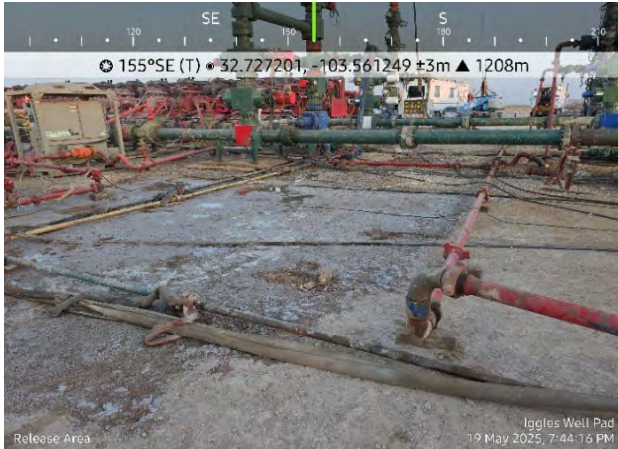


# Photographic Log

Matador Production Company

Iggles Well Pad

nAPP2514028173



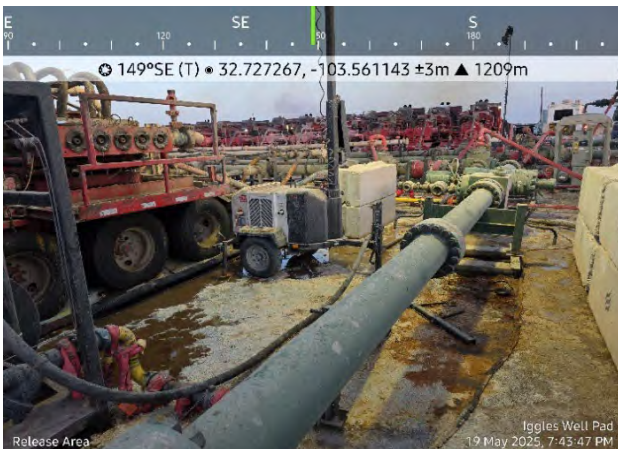
Photograph 1  
Description: Release Area  
View: Southeast

Date: 5/19/2025



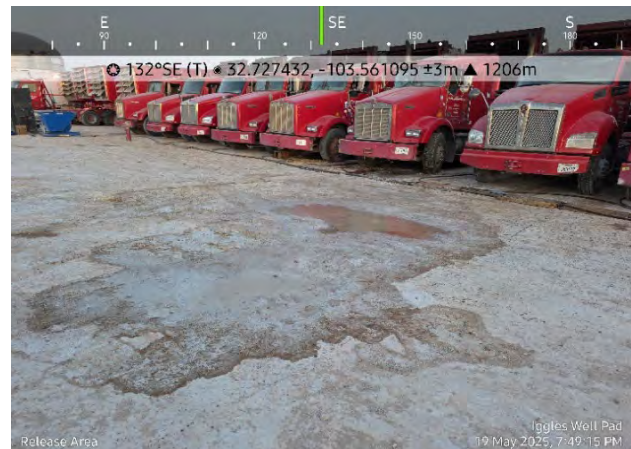
Photograph 2  
Description: Release Area  
View: East

Date: 5/19/2025



Photograph 3  
Description: Release Area  
View: Southeast

Date: 5/19/2025



Photograph 4  
Description: Release Area  
View: Southeast

Date: 5/19/2025





### Photographic Log

Matador Production Company

Iggle Well Pad

nAPP2514028173



Photograph 5  
 Date: 7/09/2025  
 Description: Delineation Soil Sampling  
 View: North



Photograph 6  
 Date: 7/09/2025  
 Description: Delineation Soil Sampling  
 View: East



Photograph 7  
 Date: 7/10/2025  
 Description: Delineation Soil Sampling  
 View: North



Photograph 8  
 Date: 7/10/2025  
 Description: Delineation Soil Sampling  
 (Water from rain event)  
 View: East





# Photographic Log

Matador Production Company

Iggle Well Pad

nAPP2514028173



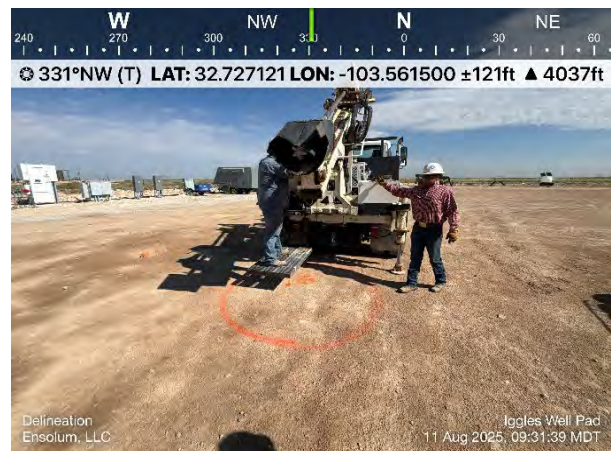
Photograph 9 Date: 8/04/2025  
Description: Delineation Soil Sampling  
View: Southwest



Photograph 10 Date: 8/04/2025  
Description: Delineation Soil Sampling (SS06)  
View: West



Photograph 11 Date: 8/11/2025  
Description: Delineation Soil Sampling (Air Rotary)  
View: West



Photograph 12 Date: 8/11/2025  
Description: Delineation Soil Sampling (Air Rotary)  
View: Northwest



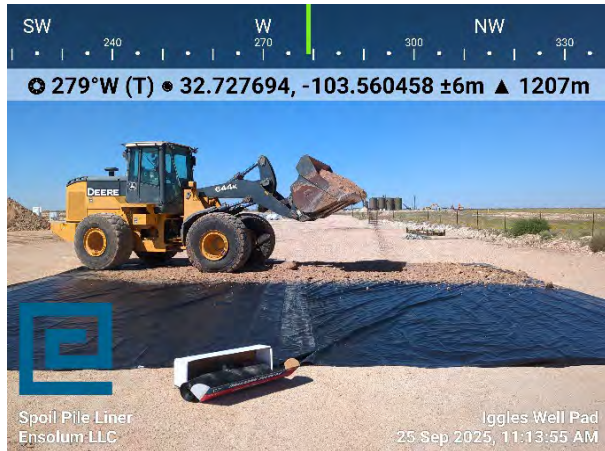


## Photographic Log

Matador Production Company

Iggles Well Pad

nAPP2514028173



Photograph 13

Date: 9/25/2025

Description: Excavation Activities

View: West



Photograph 14

Date: 9/25/2025

Description: Excavation Activities

View: West



Photograph 15

Date: 9/25/2025

Description: Excavation Activities

View: Northwest



Photograph 16

Date: 9/26/2025

Description: Excavation Activities

View: Northwest



# Photographic Log

Matador Production Company

Iggles Well Pad

nAPP2514028173



Photograph 17

Date: 9/26/2025

Description: Excavation Activities

View: West

Photograph 18

Date: 9/26/2025

Description: Excavation Activities

View: South



Photograph 19

Date: 9/29/2025

Description: Excavation Activities

View: Northwest

Photograph 20

Date: 9/29/2025

Description: Excavation Activities

View: South



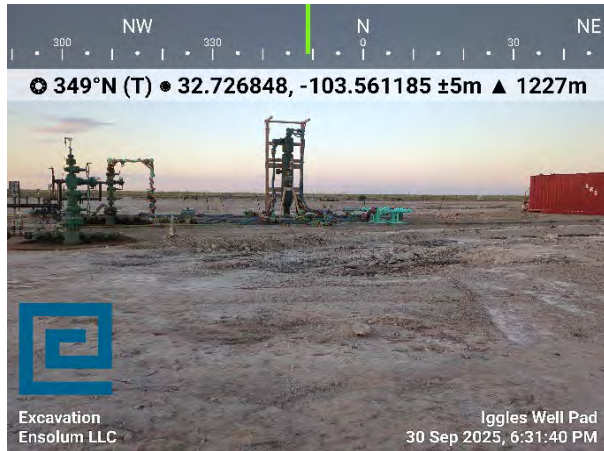


# Photographic Log

Matador Production Company

Iggles Well Pad

nAPP2514028173



Photograph 21

Date: 9/30/2025

Description: Excavation Activities

View: North

Photograph 22

Date: 9/30/2025

Description: Excavation Activities

View: Northwest



Photograph 23

Date: 10/01/2025

Description: Excavation Activities

View: Northeast

Photograph 24

Date: 10/01/2025

Description: Excavation Activities

View: Southwest



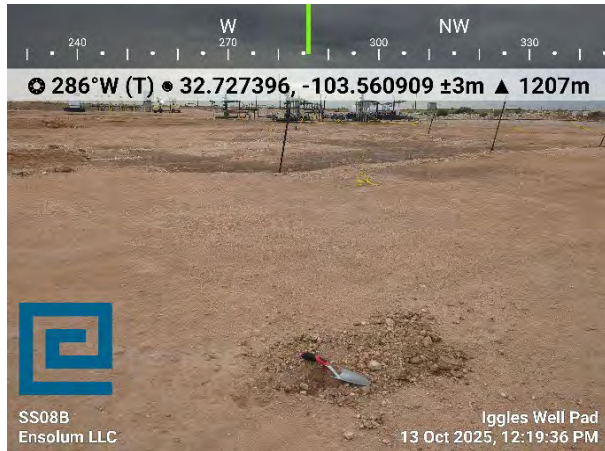


## Photographic Log

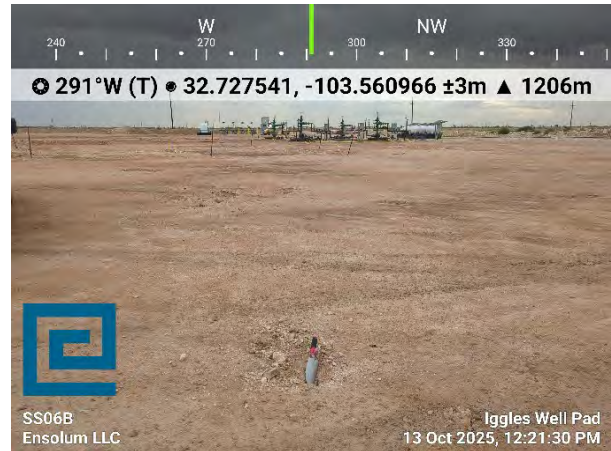
Matador Production Company

Iggles Well Pad

nAPP2514028173



Photograph 25 Date: 10/13/2025  
Description: Delineation Soil Sampling  
View: West



Photograph 26 Date: 10/13/2025  
Description: Delineation Soil Sampling  
View: Northwest



Photograph 27 Date: 10/13/2025  
Description: Delineation Soil Sampling  
View: Northwest



Photograph 28 Date: 10/13/2025  
Description: Delineation Soil Sampling  
View: Northwest



## APPENDIX D

### Laboratory Analytical Reports & Chain-of-Custody Documentation

---

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E507099

Job Number: 23003-0002

Received: 7/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/16/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 7/16/25



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

Project Name: Iggles Well Pad  
Workorder: E507099  
Date Received: 7/11/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/11/2025 7:15:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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Laboratory Technical Representative  
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Client Representative  
Office: 505-421-LABS(5227)  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/16/25 11:52
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E507099-01A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH01-1'	E507099-02A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH01-2'	E507099-03A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH03-0'	E507099-04A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH03-1'	E507099-05A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH03-2'	E507099-06A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH03-3'	E507099-07A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH02-0'	E507099-08A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
BH02-1'	E507099-09A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.

## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

**BH01-0'**

**E507099-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		85.0 %	70-130	07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	70-130	07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	125	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	150	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		89.6 %	61-141	07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	4230	40.0	2	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH01-1'

E507099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.5 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	91.9 %	61-141		07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	9970	200	10	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH01-2'

E507099-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2528174
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.9 %	70-130	07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2528174
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KH		Batch: 2528185
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>		95.5 %	61-141	07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: DT		Batch: 2529005
Chloride	72.0	20.0	1	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH03-0'

E507099-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.9 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	3450	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	4150	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	91.7 %	61-141		07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	19100	400	20	07/14/25	07/14/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH03-1'

E507099-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.6 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	90.2 %	61-141		07/11/25	07/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	4030	40.0	2	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH03-2'

E507099-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528174
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.1 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528174
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528185
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	95.0 %	61-141		07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2529005
Chloride	1010	20.0	1	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH03-3'

E507099-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.6 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	93.8 %	61-141		07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	79.7	20.0	1	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH02-0'

E507099-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.9 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.3 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	27.3	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>	96.0 %	61-141		07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	1100	20.0	1	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/16/2025 11:52:29AM

BH02-1'

E507099-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	81.8 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.2 %	70-130		07/11/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	49.6	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	53.2	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>	93.8 %	61-141		07/11/25	07/13/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	2280	20.0	1	07/14/25	07/14/25	





## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 11:52:29AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2528174-BLK1)

Prepared: 07/11/25 Analyzed: 07/14/25

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	6.84		8.00		85.5	70-130			

## LCS (2528174-BS1)

Prepared: 07/11/25 Analyzed: 07/14/25

Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.94		8.00		86.8	70-130			

## Matrix Spike (2528174-MS1)

Source: E507096-02

Prepared: 07/11/25 Analyzed: 07/14/25

Benzene	5.10	0.0250	5.00	ND	102	70-130			
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	70-130			
Toluene	5.05	0.0250	5.00	ND	101	70-130			
o-Xylene	4.93	0.0250	5.00	ND	98.5	70-130			
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.0	70-130			

## Matrix Spike Dup (2528174-MSD1)

Source: E507096-02

Prepared: 07/11/25 Analyzed: 07/14/25

Benzene	5.57	0.0250	5.00	ND	111	70-130	8.76	27	
Ethylbenzene	5.42	0.0250	5.00	ND	108	70-130	8.73	26	
Toluene	5.51	0.0250	5.00	ND	110	70-130	8.70	20	
o-Xylene	5.38	0.0250	5.00	ND	108	70-130	8.81	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	8.45	23	
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130	8.56	26	
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 11:52:29AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528174-BLK1) Prepared: 07/11/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.1	70-130			

LCS (2528174-BS2) Prepared: 07/11/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			

Matrix Spike (2528174-MS2) Source: E507096-02 Prepared: 07/11/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	86.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

Matrix Spike Dup (2528174-MSD2) Source: E507096-02 Prepared: 07/11/25 Analyzed: 07/15/25

Gasoline Range Organics (C6-C10)	41.4	20.0	50.0	ND	82.8	70-130	3.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 11:52:29AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528185-BLK1)					Prepared: 07/11/25 Analyzed: 07/12/25				
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 (2528185-BS1)					Prepared: 07/11/25 Analyzed: 07/12/25				
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	66-144			
Surrogate: n-Nonane	47.1		50.0		94.2	61-141			

Matrix Spike (2528185-MS1)					Source: E507099-02		Prepared: 07/11/25 Analyzed: 07/12/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	56-156			
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			

Matrix Spike Dup (2528185-MSD1)					Source: E507099-02		Prepared: 07/11/25 Analyzed: 07/12/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	56-156	0.297	20	
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  7/16/2025 11:52:29AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2529005-BLK1)					Prepared: 07/14/25 Analyzed: 07/14/25				
Chloride	ND	20.0							
LCS (2529005-BS1)					Prepared: 07/14/25 Analyzed: 07/14/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2529005-MS1)					Source: E507098-03		Prepared: 07/14/25 Analyzed: 07/14/25		
Chloride	264	20.0	250	ND	105	80-120			
Matrix Spike Dup (2529005-MSD1)					Source: E507098-03		Prepared: 07/14/25 Analyzed: 07/14/25		
Chloride	263	20.0	250	ND	105	80-120	0.0376	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/16/25 11:52

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.





## Chain of Custody

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Iggle Well Pad				Address: 3122 National Parks Hwy				E 507099		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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
12:49	7/9/2025	S	1	BH01-0'		1						X							
13:01	7/9/2025	S	1	BH01-1'		2						X							
13:08	7/9/2025	S	1	BH01-2'		3						X							
10:15	7/9/2025	S	1	BH03-0'		4						X							
10:29	7/9/2025	S	1	BH03-1'		5						X							
11:17	7/9/2025	S	1	BH03-2'		6						X							
11:24	7/9/2025	S	1	BH03-3'		7						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: _____ Aboubakar Kone																			
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: <input checked="" type="radio"/> Y / <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C _____													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



envirotech



## Chain of Custody

[illegible]

## Envirotech Analytical Laboratory

Printed: 7/11/2025 9:10:29AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	07/11/25 07:15	Work Order ID:	E507099
Phone:	(972) 371-5200	Date Logged In:	07/10/25 15:42	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/17/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E507114

Job Number: 23003-0002

Received: 7/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/21/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 7/21/25

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



Project Name: Iggles Well Pad  
Workorder: E507114  
Date Received: 7/12/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/12/2025 6:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Client Representative  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/21/25 08:32
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04-0'	E507114-01A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH04-1'	E507114-02A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH04-2'	E507114-03A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH05-0'	E507114-04A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH05-1'	E507114-05A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.

## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 7/21/2025 8:32:20AM
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**BH04-0'**

**E507114-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Benzene	ND	0.0250	1	07/14/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/14/25	
Toluene	ND	0.0250	1	07/14/25	07/14/25	
o-Xylene	ND	0.0250	1	07/14/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	07/14/25	07/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.0 %	70-130	07/14/25	07/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2528186	
Diesel Range Organics (C10-C28)	340	25.0	1	07/11/25	07/16/25	
Oil Range Organics (C28-C36)	365	50.0	1	07/11/25	07/16/25	
<i>Surrogate: n-Nonane</i>		94.1 %	61-141	07/11/25	07/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2529017	
Chloride	15800	200	10	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/21/2025 8:32:20AM

BH04-1'

E507114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Benzene	ND	0.0250	1	07/14/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/14/25	
Toluene	ND	0.0250	1	07/14/25	07/14/25	
o-Xylene	ND	0.0250	1	07/14/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.6 %	70-130		07/14/25	07/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	84.0 %	70-130		07/14/25	07/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2528186	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/16/25	
<i>Surrogate: n-Nonane</i>	98.4 %	61-141		07/11/25	07/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2529017	
Chloride	1080	20.0	1	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/21/2025 8:32:20AM

BH04-2'

E507114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Benzene	ND	0.0250	1	07/14/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/14/25	
Toluene	ND	0.0250	1	07/14/25	07/14/25	
o-Xylene	ND	0.0250	1	07/14/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	07/14/25	07/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.2 %	70-130	07/14/25	07/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2528186	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/16/25	
<i>Surrogate: n-Nonane</i>		97.9 %	61-141	07/11/25	07/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2529017	
Chloride	129	20.0	1	07/14/25	07/14/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/21/2025 8:32:20AM

BH05-0'

E507114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Benzene	ND	0.0250	1	07/14/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/15/25	
Toluene	ND	0.0250	1	07/14/25	07/15/25	
o-Xylene	ND	0.0250	1	07/14/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		07/14/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.2 %	70-130		07/14/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528186	
Diesel Range Organics (C10-C28)	521	25.0	1	07/11/25	07/16/25	
Oil Range Organics (C28-C36)	750	50.0	1	07/11/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	96.1 %	61-141		07/11/25	07/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2529017	
Chloride	9780	200	10	07/14/25	07/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/21/2025 8:32:20AM

BH05-1'

E507114-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Benzene	ND	0.0250	1	07/14/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/15/25	
Toluene	ND	0.0250	1	07/14/25	07/15/25	
o-Xylene	ND	0.0250	1	07/14/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		07/14/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2529008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.8 %	70-130		07/14/25	07/15/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528186	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	136 %	61-141		07/11/25	07/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2529017	
Chloride	25.0	20.0	1	07/14/25	07/14/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2025 8:32:20AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2529008-BLK1)

Prepared: 07/14/25 Analyzed: 07/14/25

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	7.44		8.00		93.0	70-130			

## LCS (2529008-BS1)

Prepared: 07/14/25 Analyzed: 07/14/25

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.6	70-130			
Toluene	4.71	0.0250	5.00		94.2	70-130			
o-Xylene	4.62	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.9	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

## Matrix Spike (2529008-MS1)

Source: E507109-01

Prepared: 07/14/25 Analyzed: 07/14/25

Benzene	4.33	0.0250	5.00	ND	86.6	70-130			
Ethylbenzene	4.41	0.0250	5.00	0.172	84.7	70-130			
Toluene	4.48	0.0250	5.00	0.114	87.3	70-130			
o-Xylene	4.63	0.0250	5.00	0.252	87.5	70-130			
p,m-Xylene	10.0	0.0500	10.0	2.04	79.9	70-130			
Total Xylenes	14.7	0.0250	15.0	2.29	82.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.2	70-130			

## Matrix Spike Dup (2529008-MSD1)

Source: E507109-01

Prepared: 07/14/25 Analyzed: 07/14/25

Benzene	4.66	0.0250	5.00	ND	93.2	70-130	7.43	27	
Ethylbenzene	4.68	0.0250	5.00	0.172	90.3	70-130	6.09	26	
Toluene	4.76	0.0250	5.00	0.114	92.9	70-130	6.03	20	
o-Xylene	4.96	0.0250	5.00	0.252	94.1	70-130	6.84	25	
p,m-Xylene	10.7	0.0500	10.0	2.04	86.6	70-130	6.51	23	
Total Xylenes	15.7	0.0250	15.0	2.29	89.1	70-130	6.61	26	
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.5	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2025 8:32:20AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2529008-BLK1)

Prepared: 07/14/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			

## LCS (2529008-BS2)

Prepared: 07/14/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			

## Matrix Spike (2529008-MS2)

Source: E507109-01

Prepared: 07/14/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	134	20.0	50.0	85.2	98.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	10.6		8.00		133	70-130			S5

## Matrix Spike Dup (2529008-MSD2)

Source: E507109-01

Prepared: 07/14/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	134	20.0	50.0	85.2	98.3	70-130	0.0131	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	10.5		8.00		131	70-130			S5



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2025 8:32:20AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528186-BLK1)					Prepared: 07/11/25 Analyzed: 07/15/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.4		50.0		103	61-141			

LCS (2528186-BS1)					Prepared: 07/11/25 Analyzed: 07/15/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.6	66-144			
Surrogate: n-Nonane	47.0		50.0		94.0	61-141			

Matrix Spike (2528186-MS1)					Source: E507108-13		Prepared: 07/11/25 Analyzed: 07/15/25		
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	56-156			
Surrogate: n-Nonane	48.5		50.0		97.0	61-141			

Matrix Spike Dup (2528186-MSD1)					Source: E507108-13		Prepared: 07/11/25 Analyzed: 07/15/25		
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.5	56-156	0.609	20	
Surrogate: n-Nonane	48.7		50.0		97.4	61-141			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  7/21/2025 8:32:20AM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2529017-BLK1)					Prepared: 07/14/25 Analyzed: 07/14/25				
Chloride	ND	20.0							
LCS (2529017-BS1)					Prepared: 07/14/25 Analyzed: 07/14/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2529017-MS1)					Source: E507108-08		Prepared: 07/14/25 Analyzed: 07/14/25		
Chloride	602	20.0	250	381	88.4	80-120			
Matrix Spike Dup (2529017-MSD1)					Source: E507108-08		Prepared: 07/14/25 Analyzed: 07/14/25		
Chloride	612	20.0	250	381	92.3	80-120	1.57	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/21/25 08:32

- 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.



## Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State										
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX							
Project: Iggles Well Pad				Address: 3122 National Parks Hwy				E507114		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																										
												Analysis and Method				EPA Program										
												DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				SDWA	CWA	RCRA	
																							Compliance	Y	or	N
																							PWSID #			
																							Sample Temp.	Remarks		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number																			
9:54	7/10/2025	S	1	BH04-0'			1							X						4.5°						
10:06	7/10/2025	S	1	BH04-1'			2							X						4.7°						
10:19	7/10/2025	S	1	BH04-2'			3							X						3.1°						
11:19	7/10/2025	S	1	BH05-0'			4							X						3.2°						
11:23	7/10/2025	S	1	BH05-1'			5							X						4.0°						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																										
Sampled by: _____ Aboubakar Kone																										
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: <input checked="" type="radio"/> Y <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C _____																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																			
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 applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																										

## Envirotech Analytical Laboratory

Printed: 7/14/2025 8:51:38AM

## 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:	07/12/25 06:00	Work Order ID:	E507114
Phone:	(972) 371-5200	Date Logged In:	07/11/25 15:21	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/21/25 17:00 (5 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E508058

Job Number: 23003-0002

Received: 8/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/12/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 8/12/25

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



Project Name: Iggles Well Pad  
Workorder: E508058  
Date Received: 8/6/2025 6:30:54AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/6/2025 6:30:54AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/12/25 08:44
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-2.5'	E508058-01A	Soil	08/04/25	08/06/25	Glass Jar, 2 oz.
SS07-0'	E508058-02A	Soil	08/04/25	08/06/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/12/2025 8:44:13AM

**BH02-2.5'**

**E508058-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2532080	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	08/06/25	08/08/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2532080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %	70-130	08/06/25	08/08/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2532136	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	08/08/25	08/08/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2532113	
Chloride	5720	40.0	2	08/07/25	08/08/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/12/2025 8:44:13AM

SS07-0'

E508058-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532080	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		08/06/25	08/08/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		08/06/25	08/08/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532136	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		08/08/25	08/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532113	
Chloride	586	20.0	1	08/07/25	08/08/25	





## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/12/2025 8:44:13AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2532080-BLK1)

Prepared: 08/06/25 Analyzed: 08/08/25

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	7.46		8.00		93.3	70-130			

## LCS (2532080-BS1)

Prepared: 08/06/25 Analyzed: 08/08/25

Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			

## Matrix Spike (2532080-MS1)

Source: E508038-03

Prepared: 08/06/25 Analyzed: 08/08/25

Benzene	5.16	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.00	0.0250	5.00	ND	99.9	70-130			
Toluene	5.11	0.0250	5.00	0.0319	101	70-130			
o-Xylene	5.06	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

## Matrix Spike Dup (2532080-MSD1)

Source: E508038-03

Prepared: 08/06/25 Analyzed: 08/08/25

Benzene	5.25	0.0250	5.00	ND	105	70-130	1.86	27	
Ethylbenzene	5.08	0.0250	5.00	ND	102	70-130	1.72	26	
Toluene	5.22	0.0250	5.00	0.0319	104	70-130	2.29	20	
o-Xylene	5.14	0.0250	5.00	ND	103	70-130	1.61	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	1.85	23	
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130	1.77	26	
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/12/2025 8:44:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532080-BLK1) Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			

LCS (2532080-BS2) Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	56.7	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

Matrix Spike (2532080-MS2) Source: E508038-03 Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			

Matrix Spike Dup (2532080-MSD2) Source: E508038-03 Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130	1.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/12/2025 8:44:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532136-BLK1)					Prepared: 08/08/25 Analyzed: 08/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	61-141			

LCS (2532136-BS1)					Prepared: 08/08/25 Analyzed: 08/08/25				
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	53.5		50.0		107	61-141			

Matrix Spike (2532136-MS1)					Source: E508058-01		Prepared: 08/08/25 Analyzed: 08/08/25		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	53.8		50.0		108	61-141			

Matrix Spike Dup (2532136-MSD1)					Source: E508058-01		Prepared: 08/08/25 Analyzed: 08/08/25		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156	0.0688	20	
Surrogate: n-Nonane	52.9		50.0		106	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  8/12/2025 8:44:13AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2532113-BLK1)</b>					Prepared: 08/07/25 Analyzed: 08/08/25				
Chloride	ND	20.0							
<b>LCS (2532113-BS1)</b>					Prepared: 08/07/25 Analyzed: 08/08/25				
Chloride	254	20.0	250		102	90-110			
<b>Matrix Spike (2532113-MS1)</b>					<b>Source: E508057-03</b>		Prepared: 08/07/25 Analyzed: 08/08/25		
Chloride	859	20.0	250	588	108	80-120			
<b>Matrix Spike Dup (2532113-MSD1)</b>					<b>Source: E508057-03</b>		Prepared: 08/07/25 Analyzed: 08/08/25		
Chloride	927	20.0	250	588	136	80-120	7.61	20	M1

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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/12/25 08:44

- M1 Matrix spike recovery was above acceptance 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.





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 Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E508058	2308-0002				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/GRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	IGDOC - NM	IGDOC - TX	SDWA	CWA	RCRA	
0908	08/04/2025	s	1	BH02 - 2.5'		1								X					
1104	08/04/2025	s	1	SS07 - 0'		2								X					
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	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: <input checked="" type="radio"/> Y <input type="radio"/> N													
<i>Michelle Gonzalez</i>	08-05-25	800	<i>Michelle Gonzalez</i>	8-5-25	0800														
<i>Michelle Gonzalez</i>	8-5-25	1500	<i>Marissa Gonzalez</i>	8-5-25	1500														
<i>Marissa Gonzalez</i>	8-5-25	1915	<i>Andrew Musso</i>	8-5-25	1915														
<i>Andrew Musso</i>	8-5-25	2330	<i>Carla Ma</i>	8-6-25	0330														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
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: 8/6/2025 9:28:19AM

## 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:	08/06/25 06:30	Work Order ID:	E508058
Phone:	(972) 371-5200	Date Logged In:	08/05/25 15:34	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/12/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field,  
i.e., 15 minute hold time, are not included in this discussion.

Comments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within  
15 minutes of sampling

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.

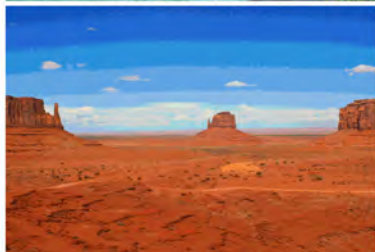
Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E508131

Job Number: 23003-0002

Received: 8/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/18/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 8/18/25



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

Project Name: Iggles Well Pad  
Workorder: E508131  
Date Received: 8/13/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/13/2025 7:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Southern New Mexico Area**

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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/18/25 17:05
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05-0'	E508131-01A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/18/2025 5:05:26PM

**SS05-0'**

**E508131-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533063
Benzene	ND	0.0250	1	08/13/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/14/25	
Toluene	ND	0.0250	1	08/13/25	08/14/25	
o-Xylene	ND	0.0250	1	08/13/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		84.2 %	70-130	08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2533063
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2533071
Diesel Range Organics (C10-C28)	33.5	25.0	1	08/13/25	08/13/25	
Oil Range Organics (C28-C36)	51.4	50.0	1	08/13/25	08/13/25	
<i>Surrogate: n-Nonane</i>						
		118 %	61-141	08/13/25	08/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2533067
Chloride	626	20.0	1	08/13/25	08/14/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/18/2025 5:05:26PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2533063-BLK1)

Prepared: 08/13/25 Analyzed: 08/14/25

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	6.89		8.00		86.1	70-130			

## LCS (2533063-BS1)

Prepared: 08/13/25 Analyzed: 08/14/25

Benzene	4.99	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	4.85	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.83		8.00		85.4	70-130			

## Matrix Spike (2533063-MS1)

Source: E508127-06

Prepared: 08/13/25 Analyzed: 08/14/25

Benzene	5.58	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130			
Toluene	5.56	0.0250	5.00	ND	111	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

## Matrix Spike Dup (2533063-MSD1)

Source: E508127-06

Prepared: 08/13/25 Analyzed: 08/14/25

Benzene	5.16	0.0250	5.00	ND	103	70-130	7.84	27	
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130	8.07	26	
Toluene	5.13	0.0250	5.00	ND	103	70-130	7.99	20	
o-Xylene	5.02	0.0250	5.00	ND	100	70-130	7.22	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	7.78	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	7.59	26	
Surrogate: 4-Bromochlorobenzene-PID	6.75		8.00		84.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/18/2025 5:05:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533063-BLK1) Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

LCS (2533063-BS2) Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

Matrix Spike (2533063-MS2) Source: E508127-06 Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

Matrix Spike Dup (2533063-MSD2) Source: E508127-06 Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	14.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/18/2025 5:05:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533071-BLK1)					Prepared: 08/13/25 Analyzed: 08/13/25				
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 (2533071-BS1)					Prepared: 08/13/25 Analyzed: 08/13/25				
Diesel Range Organics (C10-C28)	298	25.0	250		119	66-144			
Surrogate: n-Nonane	56.8		50.0		114	61-141			

Matrix Spike (2533071-MS1)					Source: E508127-05		Prepared: 08/13/25 Analyzed: 08/13/25		
Diesel Range Organics (C10-C28)	316	25.0	250	ND	126	56-156			
Surrogate: n-Nonane	60.8		50.0		122	61-141			

Matrix Spike Dup (2533071-MSD1)					Source: E508127-05		Prepared: 08/13/25 Analyzed: 08/13/25		
Diesel Range Organics (C10-C28)	319	25.0	250	ND	127	56-156	0.833	20	
Surrogate: n-Nonane	60.4		50.0		121	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  8/18/2025 5:05:26PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533067-BLK1)						Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	ND	20.0							
LCS (2533067-BS1)						Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2533067-MS1)				Source: E508127-05		Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2533067-MSD1)				Source: E508127-05		Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	254	20.0	250	ND	102	80-120	0.0209	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/18/25 17:05

- 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.



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 Name: Iggles Well Pad				Address: 3122 National Parks Hwy				E506131		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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	
0954	08-11-25	S	1	SSOS - 0'		1								X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
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		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
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		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.											
<i>Michelle Gonzalez</i>		08-12-25		1445		<i>Michelle Gonzalez</i>		8-12-25		0900													
<i>Michelle Gonzalez</i>		8-12-25		1445		<i>Marissa Gonzalez</i>		8-12-25		1445													
<i>Marissa Gonzalez</i>		8-12-25		1830		<i>Andrew Musso</i>		8-12-25		1830													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N											
<i>Andrew Musso</i>		8-12-25		2245		<i>Caitlin Marr</i>		8-13-25		700													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
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: 8/13/2025 9:21:16AM

## 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:	08/13/25 07:00	Work Order ID:	E508131
Phone:	(972) 371-5200	Date Logged In:	08/12/25 15:18	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/19/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E508132

Job Number: 23003-0002

Received: 8/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/19/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 8/19/25

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



Project Name: Iggles Well Pad  
Workorder: E508132  
Date Received: 8/13/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/13/2025 7:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/19/25 11:33
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-4'	E508132-01A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.
BH02-5'	E508132-02A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/19/2025 11:33:40AM

**BH02-4'**

**E508132-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2533072
Benzene	ND	0.0250	1	08/13/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/13/25	
Toluene	ND	0.0250	1	08/13/25	08/13/25	
o-Xylene	ND	0.0250	1	08/13/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/13/25	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/13/25	08/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/13/25	08/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/13/25	08/13/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2533072
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/13/25	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/13/25	08/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/13/25	08/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/13/25	08/13/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2533074
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/25	08/14/25	
<i>Surrogate: n-Nonane</i>		90.3 %	61-141	08/13/25	08/14/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2533069
Chloride	1430	20.0	1	08/13/25	08/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/19/2025 11:33:40AM

BH02-5'

E508132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2533072
Benzene	ND	0.0250	1	08/13/25	08/13/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/13/25	
Toluene	ND	0.0250	1	08/13/25	08/13/25	
o-Xylene	ND	0.0250	1	08/13/25	08/13/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/13/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/13/25	
Surrogate: Bromofluorobenzene		110 %	70-130	08/13/25	08/13/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/13/25	08/13/25	
Surrogate: Toluene-d8		104 %	70-130	08/13/25	08/13/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2533072
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/13/25	
Surrogate: Bromofluorobenzene		110 %	70-130	08/13/25	08/13/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/13/25	08/13/25	
Surrogate: Toluene-d8		104 %	70-130	08/13/25	08/13/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2533074
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/25	08/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/25	08/14/25	
Surrogate: n-Nonane		90.5 %	61-141	08/13/25	08/14/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2533069
Chloride	214	20.0	1	08/13/25	08/14/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2025 11:33:40AM

## Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2533072-BLK1)

Prepared: 08/13/25 Analyzed: 08/13/25

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: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

## LCS (2533072-BS1)

Prepared: 08/13/25 Analyzed: 08/13/25

Benzene	2.71	0.0250	2.50		108	70-130			
Ethylbenzene	2.69	0.0250	2.50		108	70-130			
Toluene	2.65	0.0250	2.50		106	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.35	0.0500	5.00		107	70-130			
Total Xylenes	7.93	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

## Matrix Spike (2533072-MS1)

Source: E508136-02

Prepared: 08/13/25 Analyzed: 08/13/25

Benzene	2.48	0.0250	2.50	ND	99.0	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135			
Toluene	2.41	0.0250	2.50	ND	96.4	48-130			
o-Xylene	2.44	0.0250	2.50	ND	97.6	43-135			
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135			
Total Xylenes	7.45	0.0250	7.50	ND	99.4	43-135			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

## Matrix Spike Dup (2533072-MSD1)

Source: E508136-02

Prepared: 08/13/25 Analyzed: 08/13/25

Benzene	2.51	0.0250	2.50	ND	100	48-131	1.40	23	
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135	3.26	27	
Toluene	2.44	0.0250	2.50	ND	97.5	48-130	1.20	24	
o-Xylene	2.50	0.0250	2.50	ND	99.9	43-135	2.33	27	
p,m-Xylene	5.11	0.0500	5.00	ND	102	43-135	1.90	27	
Total Xylenes	7.61	0.0250	7.50	ND	101	43-135	2.04	27	
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2025 11:33:40AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2533072-BLK1)

Prepared: 08/13/25 Analyzed: 08/13/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

## LCS (2533072-BS2)

Prepared: 08/13/25 Analyzed: 08/13/25

Gasoline Range Organics (C6-C10)	59.3	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	0.567		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

## Matrix Spike (2533072-MS2)

Source: E508136-02

Prepared: 08/13/25 Analyzed: 08/13/25

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.1	70-130			
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

## Matrix Spike Dup (2533072-MSD2)

Source: E508136-02

Prepared: 08/13/25 Analyzed: 08/13/25

Gasoline Range Organics (C6-C10)	58.3	20.0	50.0	ND	117	70-130	16.2	20	
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/19/2025 11:33:40AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533074-BLK1)					Prepared: 08/13/25 Analyzed: 08/13/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.6		50.0		89.2	61-141			

LCS (2533074-BS1)					Prepared: 08/13/25 Analyzed: 08/13/25				
Diesel Range Organics (C10-C28)	237	25.0	250		94.7	66-144			
Surrogate: n-Nonane	48.3		50.0		96.7	61-141			

Matrix Spike (2533074-MS1)					Source: E508128-11		Prepared: 08/13/25 Analyzed: 08/13/25		
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	56-156			
Surrogate: n-Nonane	45.5		50.0		91.1	61-141			

Matrix Spike Dup (2533074-MSD1)					Source: E508128-11		Prepared: 08/13/25 Analyzed: 08/13/25		
Diesel Range Organics (C10-C28)	225	25.0	250	ND	89.9	56-156	0.183	20	
Surrogate: n-Nonane	45.2		50.0		90.4	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  8/19/2025 11:33:40AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533069-BLK1)					Prepared: 08/13/25 Analyzed: 08/13/25				
Chloride	ND	20.0							
LCS (2533069-BS1)					Prepared: 08/13/25 Analyzed: 08/13/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2533069-MS1)					Source: E508124-06		Prepared: 08/13/25 Analyzed: 08/13/25		
Chloride	1510	20.0	250	1790	NR	80-120			M4
Matrix Spike Dup (2533069-MSD1)					Source: E508124-06		Prepared: 08/13/25 Analyzed: 08/13/25		
Chloride	2130	20.0	250	1790	137	80-120	34.3	20	M4, R3

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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/19/25 11:33

- 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.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- 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.



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 Name: Iggles Well Pad				Address: 3122 National Parks Hwy				E508132		23003-0012					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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA					
0846	08-11-25	S	1	BH 02 - 4'		1								X									
0847	08-11-25	S	1	BH 02 - 5'		2								X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
		S	1											X									
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		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											
<i>[Signature]</i>		08-12-25				<i>Michelle Gonzales</i>		8-12-25		0900													
<i>Michelle Gonzales</i>		8-12-25		1445		<i>Marissa Gonzales</i>		8-12-25		1445													
<i>Marissa Gonzales</i>		8-12-25		1830		<i>Andrew Musso</i>		8-12-25		1830													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
<i>Andrew Musso</i>		8-12-25		2245		<i>Caitlin Harv</i>		8-13-25		700													
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: 8/15/2025 11:18:20AM

## 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:	08/13/25 07:00	Work Order ID:	E508132
Phone:	(972) 371-5200	Date Logged In:	08/12/25 15:21	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/19/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Relinquished time on client signature missing on COC.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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.

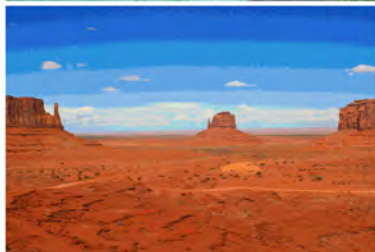
Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E508133

Job Number: 23003-0002

Received: 8/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/18/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 8/18/25

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



Project Name: Iggles Well Pad  
Workorder: E508133  
Date Received: 8/13/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/13/2025 7:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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**Southern New Mexico Area**

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Client Representative  
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Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/18/25 17:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E508133-01A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.
SS02-0'	E508133-02A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.
SS03-0'	E508133-03A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.
SS04-0'	E508133-04A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.
SS06-0'	E508133-05A	Soil	08/11/25	08/13/25	Glass Jar, 2 oz.

## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/18/2025 5:06:27PM

**SS01-0'**

**E508133-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Benzene	ND	0.0250	1	08/13/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/14/25	
Toluene	ND	0.0250	1	08/13/25	08/14/25	
o-Xylene	ND	0.0250	1	08/13/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.0 %	70-130	08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2533071	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/25	08/13/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	08/13/25	08/13/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2533067	
Chloride	40.9	20.0	1	08/13/25	08/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/18/2025 5:06:27PM

SS02-0'

E508133-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Benzene	ND	0.0250	1	08/13/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/14/25	
Toluene	ND	0.0250	1	08/13/25	08/14/25	
o-Xylene	ND	0.0250	1	08/13/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2533071	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/25	08/13/25	
<i>Surrogate: n-Nonane</i>						
	117 %	61-141		08/13/25	08/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2533067	
Chloride	117	20.0	1	08/13/25	08/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/18/2025 5:06:27PM

SS03-0'

E508133-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Benzene	ND	0.0250	1	08/13/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/14/25	
Toluene	ND	0.0250	1	08/13/25	08/14/25	
o-Xylene	ND	0.0250	1	08/13/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2533071	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/25	08/13/25	
<i>Surrogate: n-Nonane</i>						
	118 %	61-141		08/13/25	08/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2533067	
Chloride	404	20.0	1	08/13/25	08/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/18/2025 5:06:27PM

SS04-0'

E508133-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Benzene	ND	0.0250	1	08/13/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/14/25	
Toluene	ND	0.0250	1	08/13/25	08/14/25	
o-Xylene	ND	0.0250	1	08/13/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2533071	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/25	08/13/25	
<i>Surrogate: n-Nonane</i>						
	116 %	61-141		08/13/25	08/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2533067	
Chloride	513	20.0	1	08/13/25	08/14/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
8/18/2025 5:06:27PM

SS06-0'

E508133-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Benzene	ND	0.0250	1	08/13/25	08/14/25	
Ethylbenzene	ND	0.0250	1	08/13/25	08/14/25	
Toluene	ND	0.0250	1	08/13/25	08/14/25	
o-Xylene	ND	0.0250	1	08/13/25	08/14/25	
p,m-Xylene	ND	0.0500	1	08/13/25	08/14/25	
Total Xylenes	ND	0.0250	1	08/13/25	08/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2533063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/25	08/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		08/13/25	08/14/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2533071	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/25	08/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/25	08/13/25	
<i>Surrogate: n-Nonane</i>						
	129 %	61-141		08/13/25	08/13/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2533067	
Chloride	140	20.0	1	08/13/25	08/14/25	





## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/18/2025 5:06:27PM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2533063-BLK1)

Prepared: 08/13/25 Analyzed: 08/14/25

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	6.89		8.00		86.1	70-130			

## LCS (2533063-BS1)

Prepared: 08/13/25 Analyzed: 08/14/25

Benzene	4.99	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	4.85	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.83		8.00		85.4	70-130			

## Matrix Spike (2533063-MS1)

Source: E508127-06

Prepared: 08/13/25 Analyzed: 08/14/25

Benzene	5.58	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130			
Toluene	5.56	0.0250	5.00	ND	111	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

## Matrix Spike Dup (2533063-MSD1)

Source: E508127-06

Prepared: 08/13/25 Analyzed: 08/14/25

Benzene	5.16	0.0250	5.00	ND	103	70-130	7.84	27	
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130	8.07	26	
Toluene	5.13	0.0250	5.00	ND	103	70-130	7.99	20	
o-Xylene	5.02	0.0250	5.00	ND	100	70-130	7.22	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	7.78	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	7.59	26	
Surrogate: 4-Bromochlorobenzene-PID	6.75		8.00		84.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/18/2025 5:06:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533063-BLK1) Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

LCS (2533063-BS2) Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

Matrix Spike (2533063-MS2) Source: E508127-06 Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

Matrix Spike Dup (2533063-MSD2) Source: E508127-06 Prepared: 08/13/25 Analyzed: 08/14/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	14.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/18/2025 5:06:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533071-BLK1)					Prepared: 08/13/25 Analyzed: 08/13/25				
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 (2533071-BS1)					Prepared: 08/13/25 Analyzed: 08/13/25				
Diesel Range Organics (C10-C28)	298	25.0	250		119	66-144			
Surrogate: n-Nonane	56.8		50.0		114	61-141			

Matrix Spike (2533071-MS1)					Source: E508127-05		Prepared: 08/13/25 Analyzed: 08/13/25		
Diesel Range Organics (C10-C28)	316	25.0	250	ND	126	56-156			
Surrogate: n-Nonane	60.8		50.0		122	61-141			

Matrix Spike Dup (2533071-MSD1)					Source: E508127-05		Prepared: 08/13/25 Analyzed: 08/13/25		
Diesel Range Organics (C10-C28)	319	25.0	250	ND	127	56-156	0.833	20	
Surrogate: n-Nonane	60.4		50.0		121	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  8/18/2025 5:06:27PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2533067-BLK1)</b>						Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	ND	20.0							
<b>LCS (2533067-BS1)</b>						Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	254	20.0	250		102	90-110			
<b>Matrix Spike (2533067-MS1)</b>				<b>Source: E508127-05</b>		Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	254	20.0	250	ND	102	80-120			
<b>Matrix Spike Dup (2533067-MSD1)</b>				<b>Source: E508127-05</b>		Prepared: 08/13/25 Analyzed: 08/13/25			
Chloride	254	20.0	250	ND	102	80-120	0.0209	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/18/25 17:06

- 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.



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 Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E508133	23003002				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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCF 1005 - Tx	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1003	08-11-25	S	1	SS01 - 0'		1								X			2.4			
1007		S	1	SS02 - 0'		2								X			2.1			
1033		S	1	SS03 - 0'		3								X			2.0			
1118		S	1	SS04 - 0'		4								X			1.8			
0959		S	1	SS06 - 0'		5								X			2.2			
		S	1											X						
		S	1											X						
		S	1											X						
		S	1											X						
		S	1											X						
		S	1											X						
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		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: ① N								
		08-12-25				Michelle Gonzalez		8-12-25		0900										
		8-12-25		1445		Marissa Gonzalez		8-12-25		1445										
		8-12-25		1830		Andrew Musso		8-12-25		1830										
		8-12-25		2245		Caitlynn		8-13-25		700										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
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: 8/13/2025 9:30:01AM

## 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:	08/13/25 07:00	Work Order ID:	E508133
Phone:	(972) 371-5200	Date Logged In:	08/12/25 15:23	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/19/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510147

Job Number: 23003-0002

Received: 10/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: Iggles Well Pad  
Workorder: E510147  
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: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05B-0'	E510147-01A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:03:23AM

**SS05B-0'**

**E510147-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: MB		Batch: 2542067	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		125 %	70-130	10/15/25	10/17/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: MB		Batch: 2542067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		116 %	70-130	10/15/25	10/17/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2542063	
Diesel Range Organics (C10-C28)	28.4	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2542098	
Chloride	1180	20.0	1	10/16/25	10/16/25	





## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:03:23AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2542067-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	9.36		8.00		117	70-130			

## LCS (2542067-BS1)

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.39	0.0250	5.00		87.7	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130			
Toluene	4.36	0.0250	5.00		87.1	70-130			
o-Xylene	4.34	0.0250	5.00		86.8	70-130			
p,m-Xylene	8.78	0.0500	10.0		87.8	70-130			
Total Xylenes	13.1	0.0250	15.0		87.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.43		8.00		118	70-130			

## Matrix Spike (2542067-MS1)

Source: E510145-05

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.01	0.0250	5.00	ND	80.1	70-130			
Ethylbenzene	3.95	0.0250	5.00	ND	79.0	70-130			
Toluene	3.98	0.0250	5.00	ND	79.6	70-130			
o-Xylene	4.00	0.0250	5.00	ND	79.9	70-130			
p,m-Xylene	8.02	0.0500	10.0	ND	80.2	70-130			
Total Xylenes	12.0	0.0250	15.0	ND	80.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.52		8.00		119	70-130			

## Matrix Spike Dup (2542067-MSD1)

Source: E510145-05

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	3.70	0.0250	5.00	ND	74.0	70-130	7.89	27	
Ethylbenzene	3.67	0.0250	5.00	ND	73.5	70-130	7.22	26	
Toluene	3.68	0.0250	5.00	ND	73.7	70-130	7.67	20	
o-Xylene	3.72	0.0250	5.00	ND	74.5	70-130	7.02	25	
p,m-Xylene	7.48	0.0500	10.0	ND	74.8	70-130	6.99	23	
Total Xylenes	11.2	0.0250	15.0	ND	74.7	70-130	7.00	26	
Surrogate: 4-Bromochlorobenzene-PID	9.57		8.00		120	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:03:23AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542067-BLK1) Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

LCS (2542067-BS2) Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			

Matrix Spike (2542067-MS2) Source: E510145-05 Prepared: 10/15/25 Analyzed: 10/17/25

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

Matrix Spike Dup (2542067-MSD2) Source: E510145-05 Prepared: 10/15/25 Analyzed: 10/17/25

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.5	70-130	4.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:03:23AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2542063-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.6		50.0		105	61-141			

## LCS (2542063-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: <i>n</i> -Nonane	50.7		50.0		101	61-141			

## Matrix Spike (2542063-MS1)

Source: E510138-06

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	56-156			
Surrogate: <i>n</i> -Nonane	56.7		50.0		113	61-141			

## Matrix Spike Dup (2542063-MSD1)

Source: E510138-06

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156	1.29	20	
Surrogate: <i>n</i> -Nonane	55.7		50.0		111	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/21/2025 9:03:23AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542098-BLK1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	ND	20.0							
LCS (2542098-BS1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2542098-MS1)					Source: E510146-02		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	614	20.0	250	340	110	80-120			
Matrix Spike Dup (2542098-MSD1)					Source: E510146-02		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	604	20.0	250	340	106	80-120	1.62	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:03

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Iggle Well Pad				Address: 3122 National Parks Hwy		E510147	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1055	10/13/2025	S	1	SS05B - 0'		1													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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																			
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: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N													
Michelle Gonzales	10-14-25	0700	Michelle Gonzales	10-14-25	0700														
Michelle Gonzales	10-14-25	1430	Mariassa Gonzales	10-14-25	1430														
Mariassa Gonzales	10-14-25	1900	Andrew Musso	10-14-25	1900														
Andrew Musso	10-14-25	2300	Carla Man	10-15-25	800														
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 9:33:19AM

## 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:	E510147
Phone:	(972) 371-5200	Date Logged In:	10/14/25 15:50	Logged In By:	Caitlin Mars
Email:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510148

Job Number: 23003-0002

Received: 10/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: Iggles Well Pad  
Workorder: E510148  
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: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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Client Representative  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported: 10/21/25 09:10
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06B-0'	E510148-01A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:10:18AM

**SS06B-0'**

**E510148-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: MB		Batch: 2542067	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	10/15/25	10/17/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: MB		Batch: 2542067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		117 %	70-130	10/15/25	10/17/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2542063	
Diesel Range Organics (C10-C28)	44.9	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	64.3	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2542098	
Chloride	1160	20.0	1	10/16/25	10/16/25	





## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:10:18AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2542067-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	9.36		8.00		117	70-130			

## LCS (2542067-BS1)

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.39	0.0250	5.00		87.7	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130			
Toluene	4.36	0.0250	5.00		87.1	70-130			
o-Xylene	4.34	0.0250	5.00		86.8	70-130			
p,m-Xylene	8.78	0.0500	10.0		87.8	70-130			
Total Xylenes	13.1	0.0250	15.0		87.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.43		8.00		118	70-130			

## Matrix Spike (2542067-MS1)

Source: E510145-05

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.01	0.0250	5.00	ND	80.1	70-130			
Ethylbenzene	3.95	0.0250	5.00	ND	79.0	70-130			
Toluene	3.98	0.0250	5.00	ND	79.6	70-130			
o-Xylene	4.00	0.0250	5.00	ND	79.9	70-130			
p,m-Xylene	8.02	0.0500	10.0	ND	80.2	70-130			
Total Xylenes	12.0	0.0250	15.0	ND	80.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.52		8.00		119	70-130			

## Matrix Spike Dup (2542067-MSD1)

Source: E510145-05

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	3.70	0.0250	5.00	ND	74.0	70-130	7.89	27	
Ethylbenzene	3.67	0.0250	5.00	ND	73.5	70-130	7.22	26	
Toluene	3.68	0.0250	5.00	ND	73.7	70-130	7.67	20	
o-Xylene	3.72	0.0250	5.00	ND	74.5	70-130	7.02	25	
p,m-Xylene	7.48	0.0500	10.0	ND	74.8	70-130	6.99	23	
Total Xylenes	11.2	0.0250	15.0	ND	74.7	70-130	7.00	26	
Surrogate: 4-Bromochlorobenzene-PID	9.57		8.00		120	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:10:18AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542067-BLK1) Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

LCS (2542067-BS2) Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			

Matrix Spike (2542067-MS2) Source: E510145-05 Prepared: 10/15/25 Analyzed: 10/17/25

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

Matrix Spike Dup (2542067-MSD2) Source: E510145-05 Prepared: 10/15/25 Analyzed: 10/17/25

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.5	70-130	4.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:10:18AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542063-BLK1)					Prepared: 10/15/25 Analyzed: 10/15/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.6		50.0		105	61-141			

LCS (2542063-BS1)					Prepared: 10/15/25 Analyzed: 10/15/25				
Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: n-Nonane	50.7		50.0		101	61-141			

Matrix Spike (2542063-MS1)					Source: E510138-06		Prepared: 10/15/25 Analyzed: 10/15/25		
Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	56-156			
Surrogate: n-Nonane	56.7		50.0		113	61-141			

Matrix Spike Dup (2542063-MSD1)					Source: E510138-06		Prepared: 10/15/25 Analyzed: 10/15/25		
Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156	1.29	20	
Surrogate: n-Nonane	55.7		50.0		111	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:10:18AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542098-BLK1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	ND	20.0							
LCS (2542098-BS1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2542098-MS1)					Source: E510146-02		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	614	20.0	250	340	110	80-120			
Matrix Spike Dup (2542098-MSD1)					Source: E510146-02		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	604	20.0	250	340	106	80-120	1.62	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:10

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Iggle Well Pad				Address: 3122 National Parks Hwy		E510148	23002-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1100	10/13/2025	S	1	SS06B - 0'		1													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																			
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: <input checked="" type="radio"/> Y <input type="radio"/> N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
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 9:35:06AM

## 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:	E510148
Phone:	(972) 371-5200	Date Logged In:	10/14/25 15:52	Logged In By:	Caitlin Mars
Email:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510149

Job Number: 23003-0002

Received: 10/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: Iggles Well Pad  
Workorder: E510149  
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: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08B-0'	E510149-01A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:15:51AM

**SS08B-0'**

**E510149-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: MB		Batch: 2542067	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		130 %	70-130	10/15/25	10/17/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: MB		Batch: 2542067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		118 %	70-130	10/15/25	10/17/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2542063	
Diesel Range Organics (C10-C28)	175	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	281	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2542098	
Chloride	4940	40.0	2	10/16/25	10/16/25	





## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:15:51AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2542067-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	9.36		8.00		117	70-130			

## LCS (2542067-BS1)

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.39	0.0250	5.00		87.7	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130			
Toluene	4.36	0.0250	5.00		87.1	70-130			
o-Xylene	4.34	0.0250	5.00		86.8	70-130			
p,m-Xylene	8.78	0.0500	10.0		87.8	70-130			
Total Xylenes	13.1	0.0250	15.0		87.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.43		8.00		118	70-130			

## Matrix Spike (2542067-MS1)

Source: E510145-05

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.01	0.0250	5.00	ND	80.1	70-130			
Ethylbenzene	3.95	0.0250	5.00	ND	79.0	70-130			
Toluene	3.98	0.0250	5.00	ND	79.6	70-130			
o-Xylene	4.00	0.0250	5.00	ND	79.9	70-130			
p,m-Xylene	8.02	0.0500	10.0	ND	80.2	70-130			
Total Xylenes	12.0	0.0250	15.0	ND	80.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.52		8.00		119	70-130			

## Matrix Spike Dup (2542067-MSD1)

Source: E510145-05

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	3.70	0.0250	5.00	ND	74.0	70-130	7.89	27	
Ethylbenzene	3.67	0.0250	5.00	ND	73.5	70-130	7.22	26	
Toluene	3.68	0.0250	5.00	ND	73.7	70-130	7.67	20	
o-Xylene	3.72	0.0250	5.00	ND	74.5	70-130	7.02	25	
p,m-Xylene	7.48	0.0500	10.0	ND	74.8	70-130	6.99	23	
Total Xylenes	11.2	0.0250	15.0	ND	74.7	70-130	7.00	26	
Surrogate: 4-Bromochlorobenzene-PID	9.57		8.00		120	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:15:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542067-BLK1) Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

LCS (2542067-BS2) Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			

Matrix Spike (2542067-MS2) Source: E510145-05 Prepared: 10/15/25 Analyzed: 10/17/25

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

Matrix Spike Dup (2542067-MSD2) Source: E510145-05 Prepared: 10/15/25 Analyzed: 10/17/25

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.5	70-130	4.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:15:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542063-BLK1)					Prepared: 10/15/25 Analyzed: 10/15/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.6		50.0		105	61-141			

LCS (2542063-BS1)					Prepared: 10/15/25 Analyzed: 10/15/25				
Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: n-Nonane	50.7		50.0		101	61-141			

Matrix Spike (2542063-MS1)					Source: E510138-06		Prepared: 10/15/25 Analyzed: 10/15/25		
Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	56-156			
Surrogate: n-Nonane	56.7		50.0		113	61-141			

Matrix Spike Dup (2542063-MSD1)					Source: E510138-06		Prepared: 10/15/25 Analyzed: 10/15/25		
Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156	1.29	20	
Surrogate: n-Nonane	55.7		50.0		111	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:15:51AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542098-BLK1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	ND	20.0							
LCS (2542098-BS1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2542098-MS1)					Source: E510146-02		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	614	20.0	250	340	110	80-120			
Matrix Spike Dup (2542098-MSD1)					Source: E510146-02		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	604	20.0	250	340	106	80-120	1.62	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:15

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

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

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



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## Envirotech Analytical Laboratory

Printed: 10/15/2025 9:36:56AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/15/25 08:00	Work Order ID:	E510149
Phone:	(972) 371-5200	Date Logged In:	10/14/25 15:53	Logged In By:	Caitlin Mars
Email:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510150

Job Number: 23003-0002

Received: 10/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: Iggles Well Pad  
Workorder: E510150  
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: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/21/25 09:18
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A-0'	E510150-01A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SS05A-0'	E510150-02A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SS05C-0'	E510150-03A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SS06A-0'	E510150-04A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SS07A-0'	E510150-05A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.
SS08A-0'	E510150-06A	Soil	10/13/25	10/15/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:18:23AM

**SS01A-0'**

**E510150-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Benzene	ND	0.0250	1	10/15/25	10/16/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/16/25	
Toluene	ND	0.0250	1	10/15/25	10/16/25	
o-Xylene	ND	0.0250	1	10/15/25	10/16/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/16/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		112 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2542064	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/15/25	
<i>Surrogate: n-Nonane</i>						
		94.2 %	61-141	10/15/25	10/15/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2542099	
Chloride	4680	40.0	2	10/16/25	10/16/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:18:23AM

SS05A-0'

E510150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Benzene	ND	0.0250	1	10/15/25	10/16/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/16/25	
Toluene	ND	0.0250	1	10/15/25	10/16/25	
o-Xylene	ND	0.0250	1	10/15/25	10/16/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/16/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		113 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2542064	
Diesel Range Organics (C10-C28)	176	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	186	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2542099	
Chloride	712	20.0	1	10/16/25	10/16/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:18:23AM

SS05C-0'

E510150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Benzene	ND	0.0250	1	10/15/25	10/16/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/16/25	
Toluene	ND	0.0250	1	10/15/25	10/16/25	
o-Xylene	ND	0.0250	1	10/15/25	10/16/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/16/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2542064	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		96.7 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2542099	
Chloride	110	20.0	1	10/16/25	10/16/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:18:23AM

SS06A-0'

E510150-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Benzene	ND	0.0250	1	10/15/25	10/16/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/16/25	
Toluene	ND	0.0250	1	10/15/25	10/16/25	
o-Xylene	ND	0.0250	1	10/15/25	10/16/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/16/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2542064	
Diesel Range Organics (C10-C28)	64.9	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	85.2	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>						
		96.5 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2542099	
Chloride	1140	20.0	1	10/16/25	10/16/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:18:23AM

SS07A-0'

E510150-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Benzene	ND	0.0250	1	10/15/25	10/16/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/16/25	
Toluene	ND	0.0250	1	10/15/25	10/16/25	
o-Xylene	ND	0.0250	1	10/15/25	10/16/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/16/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2542064	
Diesel Range Organics (C10-C28)	77.6	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	97.8	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>						
		94.3 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2542099	
Chloride	2120	20.0	1	10/16/25	10/16/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2025 9:18:23AM

SS08A-0'

E510150-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Benzene	ND	0.0250	1	10/15/25	10/16/25	
Ethylbenzene	ND	0.0250	1	10/15/25	10/16/25	
Toluene	ND	0.0250	1	10/15/25	10/16/25	
o-Xylene	ND	0.0250	1	10/15/25	10/16/25	
p,m-Xylene	ND	0.0500	1	10/15/25	10/16/25	
Total Xylenes	ND	0.0250	1	10/15/25	10/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2542068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/25	10/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	10/15/25	10/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2542064	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>						
		93.3 %	61-141	10/15/25	10/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2542099	
Chloride	7410	100	5	10/16/25	10/16/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:18:23AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2542068-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	8.32		8.00		104	70-130			

## LCS (2542068-BS1)

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	5.00	0.0250	5.00		100	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.5	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	4.94	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.66		8.00		108	70-130			

## Matrix Spike (2542068-MS1)

Source: E510151-01

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.63	0.0250	5.00	ND	92.6	70-130			
Ethylbenzene	4.56	0.0250	5.00	ND	91.2	70-130			
Toluene	4.61	0.0250	5.00	ND	92.1	70-130			
o-Xylene	4.58	0.0250	5.00	ND	91.7	70-130			
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.74		8.00		109	70-130			

## Matrix Spike Dup (2542068-MSD1)

Source: E510151-01

Prepared: 10/15/25 Analyzed: 10/16/25

Benzene	4.86	0.0250	5.00	ND	97.2	70-130	4.89	27	
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130	5.14	26	
Toluene	4.84	0.0250	5.00	ND	96.8	70-130	4.97	20	
o-Xylene	4.82	0.0250	5.00	ND	96.5	70-130	5.10	25	
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	70-130	5.11	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.4	70-130	5.11	26	
Surrogate: 4-Bromochlorobenzene-PID	8.74		8.00		109	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:18:23AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2542068-BLK1)

Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

## LCS (2542068-BS2)

Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

## Matrix Spike (2542068-MS2)

Source: E510151-01

Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

## Matrix Spike Dup (2542068-MSD2)

Source: E510151-01

Prepared: 10/15/25 Analyzed: 10/16/25

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130	4.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/2025 9:18:23AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542064-BLK1)					Prepared: 10/15/25 Analyzed: 10/15/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.6		50.0		95.2	61-141			

LCS (2542064-BS1)					Prepared: 10/15/25 Analyzed: 10/15/25				
Diesel Range Organics (C10-C28)	237	25.0	250		94.8	66-144			
Surrogate: n-Nonane	46.2		50.0		92.3	61-141			

Matrix Spike (2542064-MS1)					Source: E510142-47		Prepared: 10/15/25 Analyzed: 10/15/25		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	48.0		50.0		96.1	61-141			

Matrix Spike Dup (2542064-MSD1)					Source: E510142-47		Prepared: 10/15/25 Analyzed: 10/15/25		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	1.89	20	
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/21/2025 9:18:23AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2542099-BLK1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	ND	20.0							
LCS (2542099-BS1)					Prepared: 10/16/25 Analyzed: 10/16/25				
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2542099-MS1)					Source: E510150-03		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	358	20.0	250	110	99.4	80-120			
Matrix Spike Dup (2542099-MSD1)					Source: E510150-03		Prepared: 10/16/25 Analyzed: 10/16/25		
Chloride	356	20.0	250	110	98.4	80-120	0.719	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/21/25 09:18

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

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

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



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E510150	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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1010	10/13/2025	S	1	SS01A - 0'		1								X			2.2			
1021	10/13/2025	S	1	SS05A - 0'		2								X			2.0			
1150	10/13/2025	S	1	SS05C - 0'		3								X			3.4			
1140	10/13/2025	S	1	SS06A - 0'		4								X			2.0			
1018	10/13/2025	S	1	SS07A - 0'		5								X			2.4			
1103	10/13/2025	S	1	SS08A - 0'		6								X			2.8			
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, imccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																				
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. <b>Lab Use Only</b> Received on ice: Y/N								
Michelle Gonzales		10-14-25		0700		Michelle Gonzales		10-14-25		0700										
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		Chella Marx		10-15-25		800										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
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 9:38:51AM

## 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:	E510150
Phone:	(972) 371-5200	Date Logged In:	10/14/25 15:54	Logged In By:	Caitlin Mars
Email:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E509332

Job Number: 23003-0002

Received: 10/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/7/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 10/7/25

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



Project Name: Iggles Well Pad  
Workorder: E509332  
Date Received: 10/1/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2025 7:30:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/07/25 09:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS39-0'	E509332-01A	Soil	09/29/25	10/01/25	Glass Jar, 2 oz.
FS49-0'	E509332-02A	Soil	09/29/25	10/01/25	Glass Jar, 2 oz.
FS56-0'	E509332-03A	Soil	09/29/25	10/01/25	Glass Jar, 2 oz.

## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:23:31AM

**FS39-0'**

**E509332-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540060	
Benzene	ND	0.0250	1	10/01/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/02/25	
Toluene	ND	0.0250	1	10/01/25	10/02/25	
o-Xylene	ND	0.0250	1	10/01/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		117 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	115	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	170	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>		98.3 %	61-141	10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	14200	200	10	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:23:31AM

FS49-0'

E509332-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540060	
Benzene	ND	0.0250	1	10/01/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/02/25	
Toluene	ND	0.0250	1	10/01/25	10/02/25	
o-Xylene	ND	0.0250	1	10/01/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		117 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	393	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	512	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
		98.7 %	61-141	10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	3180	40.0	2	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:23:31AM

FS56-0'

E509332-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540060	
Benzene	ND	0.0250	1	10/01/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/02/25	
Toluene	ND	0.0250	1	10/01/25	10/02/25	
o-Xylene	ND	0.0250	1	10/01/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		112 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		119 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	562	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	790	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
		95.3 %	61-141	10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	5540	100	5	10/01/25	10/01/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:23:31AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540060-BLK1)

Prepared: 10/01/25 Analyzed: 10/01/25

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	8.81		8.00		110	70-130			

## LCS (2540060-BS1)

Prepared: 10/01/25 Analyzed: 10/01/25

Benzene	4.37	0.0250	5.00		87.5	70-130			
Ethylbenzene	4.32	0.0250	5.00		86.5	70-130			
Toluene	4.37	0.0250	5.00		87.4	70-130			
o-Xylene	4.37	0.0250	5.00		87.4	70-130			
p,m-Xylene	8.81	0.0500	10.0		88.1	70-130			
Total Xylenes	13.2	0.0250	15.0		87.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.84		8.00		110	70-130			

## Matrix Spike (2540060-MS1)

Source: E509324-01

Prepared: 10/01/25 Analyzed: 10/01/25

Benzene	4.78	0.0250	5.00	ND	95.6	70-130			
Ethylbenzene	4.73	0.0250	5.00	ND	94.5	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.75	0.0250	5.00	ND	95.0	70-130			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	70-130			
Total Xylenes	14.3	0.0250	15.0	ND	95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.89		8.00		111	70-130			

## Matrix Spike Dup (2540060-MSD1)

Source: E509324-01

Prepared: 10/01/25 Analyzed: 10/01/25

Benzene	4.79	0.0250	5.00	ND	95.8	70-130	0.200	27	
Ethylbenzene	4.74	0.0250	5.00	ND	94.9	70-130	0.361	26	
Toluene	4.78	0.0250	5.00	ND	95.7	70-130	0.298	20	
o-Xylene	4.76	0.0250	5.00	ND	95.1	70-130	0.0862	25	
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	70-130	0.321	23	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	70-130	0.243	26	
Surrogate: 4-Bromochlorobenzene-PID	8.71		8.00		109	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:23:31AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540060-BLK1)

Prepared: 10/01/25 Analyzed: 10/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			

## LCS (2540060-BS2)

Prepared: 10/01/25 Analyzed: 10/01/25

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.42		8.00		105	70-130			

## Matrix Spike (2540060-MS2)

Source: E509324-01

Prepared: 10/01/25 Analyzed: 10/01/25

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

## Matrix Spike Dup (2540060-MSD2)

Source: E509324-01

Prepared: 10/01/25 Analyzed: 10/01/25

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	1.46	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.43		8.00		105	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:23:31AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540057-BLK1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.8		50.0		95.6	61-141			

LCS (2540057-BS1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Diesel Range Organics (C10-C28)	266	25.0	250		107	66-144			
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			

Matrix Spike (2540057-MS1)					Source: E509333-04		Prepared: 10/01/25 Analyzed: 10/01/25		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	49.3		50.0		98.7	61-141			

Matrix Spike Dup (2540057-MSD1)					Source: E509333-04		Prepared: 10/01/25 Analyzed: 10/01/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	2.72	20	
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/7/2025 9:23:31AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540075-BLK1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Chloride	ND	20.0							
LCS (2540075-BS1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2540075-MS1)					Source: E509333-06		Prepared: 10/01/25 Analyzed: 10/01/25		
Chloride	4200	40.0	250	3870	132	80-120			M4
Matrix Spike Dup (2540075-MSD1)					Source: E509333-06		Prepared: 10/01/25 Analyzed: 10/01/25		
Chloride	4070	40.0	250	3870	79.4	80-120	3.19	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/07/25 09:23

- 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.

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Igles Well Pad				Address: 3122 National Parks Hwy		E509332	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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1217	9/29/2025	S	1	FS39 - 0'		1								X					
1214	9/29/2025	S	1	FS49 - 0'		2								X					
1056	9/29/2025	S	1	FS56 - 0'		3								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																			
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: 6/N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
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: 10/1/2025 9:47:29AM

## 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:	10/01/25 07:30	Work Order ID:	E509332
Phone:	(972) 371-5200	Date Logged In:	09/30/25 15:56	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/07/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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

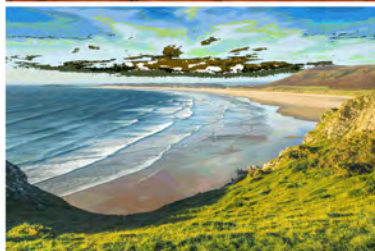


envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E509333

Job Number: 23003-0002

Received: 10/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/7/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 10/7/25

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



Project Name: Iggles Well Pad  
Workorder: E509333  
Date Received: 10/1/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2025 7:30:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/07/25 09:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01- 0-1'	E509333-01A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
SW02- 0-1'	E509333-02A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS09-1'	E509333-03A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS10-1'	E509333-04A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS11-1'	E509333-05A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS12-1'	E509333-06A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS18-1'	E509333-07A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS19-1'	E509333-08A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS20-1'	E509333-09A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

**SW01- 0-1'**

**E509333-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	70-130	10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	75.8	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	125	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	6920	100	5	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

SW02- 0-1'

E509333-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	116	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	5600	100	5	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

FS09-1'

E509333-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
	97.8 %	61-141		10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	4080	40.0	2	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

## FS10-1'

## E509333-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.6 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
	98.8 %	61-141		10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	2130	20.0	1	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

FS11-1'

E509333-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	31.1	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
	97.4 %	61-141		10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	7620	100	5	10/01/25	10/01/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

FS12-1'

E509333-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.5 %	70-130		10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
	95.3 %	61-141		10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	3870	40.0	2	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

FS18-1'

E509333-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	70-130	10/01/25	10/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	130	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	144	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	7110	100	5	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

FS19-1'

E509333-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/02/25	
Toluene	ND	0.0250	1	10/01/25	10/02/25	
o-Xylene	ND	0.0250	1	10/01/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	35.2	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	8440	200	10	10/01/25	10/01/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2025 9:49:33AM

FS20-1'

E509333-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Benzene	ND	0.0250	1	10/01/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/02/25	
Toluene	ND	0.0250	1	10/01/25	10/02/25	
o-Xylene	ND	0.0250	1	10/01/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.1 %	70-130	10/01/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540057	
Diesel Range Organics (C10-C28)	72.2	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	76.6	50.0	1	10/01/25	10/01/25	
<i>Surrogate: n-Nonane</i>						
		98.5 %	61-141	10/01/25	10/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540075	
Chloride	7780	100	5	10/01/25	10/01/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:49:33AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540063-BLK1) Prepared: 10/01/25 Analyzed: 10/02/25

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	8.32		8.00		104	70-130			

LCS (2540063-BS1) Prepared: 10/01/25 Analyzed: 10/01/25

Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.13	0.0250	5.00		103	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	8.03		8.00		100	70-130			

Matrix Spike (2540063-MS1) Source: E509333-01 Prepared: 10/01/25 Analyzed: 10/01/25

Benzene	5.28	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130			
Toluene	5.26	0.0250	5.00	ND	105	70-130			
o-Xylene	5.22	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			

Matrix Spike Dup (2540063-MSD1) Source: E509333-01 Prepared: 10/01/25 Analyzed: 10/01/25

Benzene	4.84	0.0250	5.00	ND	96.8	70-130	8.69	27	
Ethylbenzene	4.83	0.0250	5.00	ND	96.7	70-130	8.46	26	
Toluene	4.84	0.0250	5.00	ND	96.7	70-130	8.40	20	
o-Xylene	4.80	0.0250	5.00	ND	96.1	70-130	8.24	25	
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	70-130	8.27	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.2	70-130	8.26	26	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



## QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/7/2025 9:49:33AM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540063-BLK1)

Prepared: 10/01/25 Analyzed: 10/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		8.00		85.8	70-130			

## LCS (2540063-BS2)

Prepared: 10/01/25 Analyzed: 10/01/25

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.1	70-130			

## Matrix Spike (2540063-MS2)

Source: E509333-01

Prepared: 10/01/25 Analyzed: 10/01/25

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			

## Matrix Spike Dup (2540063-MSD2)

Source: E509333-01

Prepared: 10/01/25 Analyzed: 10/01/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.7	70-130	4.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:49:33AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540057-BLK1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.8		50.0		95.6	61-141			

LCS (2540057-BS1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Diesel Range Organics (C10-C28)	266	25.0	250		107	66-144			
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			

Matrix Spike (2540057-MS1)					Source: E509333-04		Prepared: 10/01/25 Analyzed: 10/01/25		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	49.3		50.0		98.7	61-141			

Matrix Spike Dup (2540057-MSD1)					Source: E509333-04		Prepared: 10/01/25 Analyzed: 10/01/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	2.72	20	
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/7/2025 9:49:33AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540075-BLK1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Chloride	ND	20.0							
LCS (2540075-BS1)					Prepared: 10/01/25 Analyzed: 10/01/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2540075-MS1)					Source: E509333-06		Prepared: 10/01/25 Analyzed: 10/01/25		
Chloride	4200	40.0	250	3870	132	80-120			M4
Matrix Spike Dup (2540075-MSD1)					Source: E509333-06		Prepared: 10/01/25 Analyzed: 10/01/25		
Chloride	4070	40.0	250	3870	79.4	80-120	3.19	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/07/25 09:49

- 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.



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E509333	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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDQC - NM	BGDQC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp		Remarks	
841	9/26/2025	S	1	SW01 - 0 - 1'		1								X			2.8			
844	9/26/2025	S	1	SW02 - 0 - 1'		2								X			2.4			
807	9/26/2025	S	1	FS09 - 1'		3								X			1.6			
805	9/26/2025	S	1	FS10 - 1'		4								X			2.2			
804	9/26/2025	S	1	FS11 - 1'		5								X			1.8			
803	9/26/2025	S	1	FS12 - 1'		6								X			2.0			
809	9/26/2025	S	1	FS18 - 1'		7								X			2.0			
810	9/26/2025	S	1	FS19 - 1'		8								X			2.4			
812	9/26/2025	S	1	FS20 - 1'		9								X			2.6			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																				
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: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
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: 10/1/2025 9:48:24AM

## 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:	10/01/25 07:30	Work Order ID:	E509333
Phone:	(972) 371-5200	Date Logged In:	09/30/25 15:57	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/07/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510012

Job Number: 23003-0002

Received: 10/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/8/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 10/8/25

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



Project Name: Iggles Well Pad  
Workorder: E510012  
Date Received: 10/2/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/2/2025 8:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Iggles Well Pad

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

10/08/25 12:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E510012-01A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS03-0'	E510012-02A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS08-0'	E510012-03A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS13-0'	E510012-04A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS14-.5'	E510012-05A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS15-.5'	E510012-06A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS16-.5'	E510012-07A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS21-0'	E510012-08A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS22-0'	E510012-09A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS27-.5'	E510012-10A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS28-.5'	E510012-11A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS31-0'	E510012-12A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS32-0'	E510012-13A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS33-0'	E510012-14A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS37-.5'	E510012-15A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS38-.5'	E510012-16A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS40-0'	E510012-17A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS41-0'	E510012-18A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS42-0'	E510012-19A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS45-.5'	E510012-20A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS46-.5'	E510012-21A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS47-.5'	E510012-22A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS48-.5'	E510012-23A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS50-0'	E510012-24A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS51-.5'	E510012-25A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS52-0'	E510012-26A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS54-.5'	E510012-27A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS55-.5'	E510012-28A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS57-.5'	E510012-29A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS58-.5'	E510012-30A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS61-.5'	E510012-31A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.
FS60-.5'	E510012-32A	Soil	09/30/25	10/02/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

**FS01-0'**

**E510012-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		127 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>		93.2 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	6110	100	5	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS03-0'

E510012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/07/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/07/25	
Toluene	ND	0.0250	1	10/02/25	10/07/25	
o-Xylene	ND	0.0250	1	10/02/25	10/07/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/07/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	10/02/25	10/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	10/02/25	10/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	94.9	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	169	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		91.6 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	7880	100	5	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS08-0'

E510012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		125 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		90.7 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	4670	40.0	2	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS13-0'

E510012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		127 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		93.3 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	6550	100	5	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS14-.5'

E510012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	126 %	70-130		10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
	92.7 %	61-141		10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	11800	200	10	10/02/25	10/02/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS15-.5'

E510012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		93.2 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	10600	200	10	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS16-.5'

E510012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		92.6 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	9270	200	10	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS21-0'

E510012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	150	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	302	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		92.1 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	8590	200	10	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS22-0'

E510012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.4 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	49.4	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	66.1	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		92.5 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	13000	200	10	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS27-.5'

E510012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		125 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.7 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		91.7 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	3850	40.0	2	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

## FS28-.5'

## E510012-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		124 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
		93.0 %	61-141	10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	6870	100	5	10/02/25	10/02/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS31-0'

E510012-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	126 %	70-130		10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/02/25	
<i>Surrogate: n-Nonane</i>						
	93.3 %	61-141		10/02/25	10/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	3780	40.0	2	10/02/25	10/03/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS32-0'

E510012-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		125 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		94.3 %	61-141	10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	3550	40.0	2	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS33-0'

E510012-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		92.5 %	61-141	10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	1920	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS37-.5'

E510012-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		127 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		93.7 %	61-141	10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	2950	40.0	2	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS38-.5'

E510012-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		126 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		92.7 %	61-141	10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	6320	100	5	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS40-.0'

E510012-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		127 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	37.5	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		94.0 %	61-141	10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	8730	200	10	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS41-0'

E510012-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		127 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		93.0 %	61-141	10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	6730	100	5	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS42-0'

E510012-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		127 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	174	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	257	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		90.4 %	61-141	10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	8420	100	5	10/02/25	10/03/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS45-.5'

E510012-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Benzene	ND	0.0250	1	10/02/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/03/25	
Toluene	ND	0.0250	1	10/02/25	10/03/25	
o-Xylene	ND	0.0250	1	10/02/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	128 %	70-130		10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		10/02/25	10/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540089	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	93.4 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540099	
Chloride	2390	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS46-.5'

E510012-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	99.5 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	1260	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS47-.5'

E510012-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	98.3 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	145	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS48-.5'

E510012-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	99.4 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	1350	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS50-0'

E510012-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	97.9 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	1220	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS51-.5'

E510012-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	95.6 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	3100	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS52-.0'

E510012-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	97.2 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	8210	100	5	10/02/25	10/03/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS54-.5'

E510012-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	98.9 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	2690	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS55-.5'

E510012-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	106	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	149	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	91.5 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	4180	40.0	2	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS57-.5'

E510012-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	614	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS58-.5'

E510012-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	94.6 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	493	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS61-.5'

E510012-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.6 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	87.3 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	144	20.0	1	10/02/25	10/03/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/8/2025 12:26:43PM

FS60-.5'

E510012-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Benzene	ND	0.0250	1	10/02/25	10/02/25	
Ethylbenzene	ND	0.0250	1	10/02/25	10/02/25	
Toluene	ND	0.0250	1	10/02/25	10/02/25	
o-Xylene	ND	0.0250	1	10/02/25	10/02/25	
p,m-Xylene	ND	0.0500	1	10/02/25	10/02/25	
Total Xylenes	ND	0.0250	1	10/02/25	10/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2540094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/25	10/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		10/02/25	10/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2540090	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	99.9 %	61-141		10/02/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2540100	
Chloride	325	20.0	1	10/02/25	10/03/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2025 12:26:43PM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540094-BLK1)

Prepared: 10/02/25 Analyzed: 10/02/25

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	7.33		8.00		91.6	70-130			

## LCS (2540094-BS1)

Prepared: 10/02/25 Analyzed: 10/02/25

Benzene	3.75	0.0250	5.00		75.0	70-130			
Ethylbenzene	3.63	0.0250	5.00		72.6	70-130			
Toluene	3.69	0.0250	5.00		73.8	70-130			
o-Xylene	3.70	0.0250	5.00		74.1	70-130			
p,m-Xylene	7.40	0.0500	10.0		74.0	70-130			
Total Xylenes	11.1	0.0250	15.0		74.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

## Matrix Spike (2540094-MS1)

Source: E510012-23

Prepared: 10/02/25 Analyzed: 10/02/25

Benzene	4.29	0.0250	5.00	ND	85.8	70-130			
Ethylbenzene	4.15	0.0250	5.00	ND	83.0	70-130			
Toluene	4.22	0.0250	5.00	ND	84.5	70-130			
o-Xylene	4.23	0.0250	5.00	ND	84.6	70-130			
p,m-Xylene	8.42	0.0500	10.0	ND	84.2	70-130			
Total Xylenes	12.6	0.0250	15.0	ND	84.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

## Matrix Spike Dup (2540094-MSD1)

Source: E510012-23

Prepared: 10/02/25 Analyzed: 10/02/25

Benzene	4.80	0.0250	5.00	ND	96.0	70-130	11.3	27	
Ethylbenzene	4.68	0.0250	5.00	ND	93.7	70-130	12.1	26	
Toluene	4.75	0.0250	5.00	ND	95.0	70-130	11.8	20	
o-Xylene	4.72	0.0250	5.00	ND	94.4	70-130	11.0	25	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	70-130	11.8	23	
Total Xylenes	14.2	0.0250	15.0	ND	94.7	70-130	11.5	26	
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2025 12:26:43PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540103-BLK1) Prepared: 10/02/25 Analyzed: 10/07/25

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	9.10		8.00		114	70-130			

LCS (2540103-BS1) Prepared: 10/02/25 Analyzed: 10/07/25

Benzene	4.93	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	4.92	0.0250	5.00		98.5	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.16		8.00		115	70-130			

Matrix Spike (2540103-MS1) Source: E510012-02 Prepared: 10/02/25 Analyzed: 10/07/25

Benzene	5.10	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.12	0.0250	5.00	ND	102	70-130			
Toluene	5.08	0.0250	5.00	ND	102	70-130			
o-Xylene	5.19	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.13		8.00		114	70-130			

Matrix Spike Dup (2540103-MSD1) Source: E510012-02 Prepared: 10/02/25 Analyzed: 10/07/25

Benzene	5.12	0.0250	5.00	ND	102	70-130	0.303	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	0.466	26	
Toluene	5.10	0.0250	5.00	ND	102	70-130	0.388	20	
o-Xylene	5.21	0.0250	5.00	ND	104	70-130	0.459	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	0.456	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	0.457	26	
Surrogate: 4-Bromochlorobenzene-PID	9.02		8.00		113	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2025 12:26:43PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540094-BLK1) Prepared: 10/02/25 Analyzed: 10/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS (2540094-BS2) Prepared: 10/02/25 Analyzed: 10/02/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike (2540094-MS2) Source: E510012-23 Prepared: 10/02/25 Analyzed: 10/02/25

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2540094-MSD2) Source: E510012-23 Prepared: 10/02/25 Analyzed: 10/02/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	2.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2025 12:26:43PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540103-BLK1) Prepared: 10/02/25 Analyzed: 10/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

LCS (2540103-BS2) Prepared: 10/02/25 Analyzed: 10/07/25

Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike (2540103-MS2) Source: E510012-02 Prepared: 10/02/25 Analyzed: 10/07/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

Matrix Spike Dup (2540103-MSD2) Source: E510012-02 Prepared: 10/02/25 Analyzed: 10/07/25

Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	7.26	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2025 12:26:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540089-BLK1)					Prepared: 10/02/25 Analyzed: 10/02/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.0	61-141			

LCS (2540089-BS1)					Prepared: 10/02/25 Analyzed: 10/02/25				
Diesel Range Organics (C10-C28)	226	25.0	250		90.4	66-144			
Surrogate: n-Nonane	45.9		50.0		91.9	61-141			

Matrix Spike (2540089-MS1)					Source: E510012-02		Prepared: 10/02/25 Analyzed: 10/02/25		
Diesel Range Organics (C10-C28)	356	25.0	250	94.9	105	56-156			
Surrogate: n-Nonane	48.3		50.0		96.6	61-141			

Matrix Spike Dup (2540089-MSD1)					Source: E510012-02		Prepared: 10/02/25 Analyzed: 10/02/25		
Diesel Range Organics (C10-C28)	306	25.0	250	94.9	84.6	56-156	15.0	20	
Surrogate: n-Nonane	46.2		50.0		92.4	61-141			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2025 12:26:43PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540090-BLK1)

Prepared: 10/02/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.2		50.0		94.3	61-141			

## LCS (2540090-BS1)

Prepared: 10/02/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	247	25.0	250		99.0	66-144			
Surrogate: <i>n</i> -Nonane	47.5		50.0		95.0	61-141			

## Matrix Spike (2540090-MS1)

Source: E510005-03

Prepared: 10/02/25 Analyzed: 10/02/25

Diesel Range Organics (C10-C28)	5680	25.0	250	5980	NR	56-156			M4
Surrogate: <i>n</i> -Nonane	67.5		50.0		135	61-141			

## Matrix Spike Dup (2540090-MSD1)

Source: E510005-03

Prepared: 10/02/25 Analyzed: 10/02/25

Diesel Range Organics (C10-C28)	6670	25.0	250	5980	274	56-156	15.9	20	M4
Surrogate: <i>n</i> -Nonane	72.7		50.0		145	61-141			S5



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2025 12:26:43PM

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 (2540099-BLK1)					Prepared: 10/02/25 Analyzed: 10/02/25				
Chloride	ND	20.0							
LCS (2540099-BS1)					Prepared: 10/02/25 Analyzed: 10/02/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2540099-MS1)					Source: E510012-06		Prepared: 10/02/25 Analyzed: 10/02/25		
Chloride	10600	200	250	10600	NR	80-120			M4
Matrix Spike Dup (2540099-MSD1)					Source: E510012-06		Prepared: 10/02/25 Analyzed: 10/02/25		
Chloride	10100	200	250	10600	NR	80-120	4.58	20	M4



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/8/2025 12:26:43PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540100-BLK1)					Prepared: 10/02/25 Analyzed: 10/03/25				
Chloride	ND	20.0							
LCS (2540100-BS1)					Prepared: 10/02/25 Analyzed: 10/03/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2540100-MS1)					Source: E510012-25		Prepared: 10/02/25 Analyzed: 10/03/25		
Chloride	2940	20.0	250	3100	NR	80-120			M4
Matrix Spike Dup (2540100-MSD1)					Source: E510012-25		Prepared: 10/02/25 Analyzed: 10/03/25		
Chloride	3030	20.0	250	3100	NR	80-120	3.26	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/08/25 12:26

- 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.
- 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.

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E510012	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	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp		Remarks	
1505	9/30/2025	S	1	FS01-0'		1								X			2.4			
1506	9/30/2025	S	1	FS03-0'		2								X			2.0			
1519	9/30/2025	S	1	FS08-0'		3								X			2.8			
1320	9/30/2025	S	1	FS13-0'		4								X			3.1			
1620	9/30/2025	S	1	FS14-.5'		5								X			3.0			
1622	9/30/2025	S	1	FS15-.5'		6								X			3.2			
1623	9/30/2025	S	1	FS16-.5'		7								X			3.4			
1341	9/30/2025	S	1	FS21-0'		8								X			2.8			
1340	9/30/2025	S	1	FS22-0'		9								X			2.0			
1424	9/30/2025	S	1	FS27-.5'		10								X			2.2			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																				
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: <input checked="" type="radio"/> Y <input type="radio"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
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.																				



Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E510012	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	TCED 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1423	9/30/2025	S	1	FS28-.5'		11								X			2.0			
1552	9/30/2025	S	1	FS31-0'		12								X			2.2			
1553	9/30/2025	S	1	FS32-0'		13								X			1.6			
1555	9/30/2025	S	1	FS33-0'		14								X			1.8			
1425	9/30/2025	S	1	FS37-.5'		15								X			2.0			
1421	9/30/2025	S	1	FS38-.5'		16								X			3.4			
1556	9/30/2025	S	1	FS40-0'		17								X			3.6			
1550	9/30/2025	S	1	FS41-0'		18								X			3.2			
1211	9/30/2025	S	1	FS42-0		19								X			2.0			
1016	9/30/2025	S	1	FS45-.5'		20								X			2.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																				
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: <input checked="" type="radio"/> Y <input type="radio"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
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.																				



Client Information				Invoice Information				Lab Use Only						TAT				State											
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number				1D	2D	3D	Std	NM	CO	UT	TX								
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy				ES10012		23603 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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA											
																	Compliance	Y	or N										
																	PWSID #												
																	Sample Temp		Remarks										
1018	9/30/2025	S	1	FS46-.5'		#2 cm								X			3.0												
1020	9/30/2025	S	1	FS47-.5'		#2								X			3.1												
1157	9/30/2025	S	1	FS48-.5'		23								X			2.6												
1151	9/30/2025	S	1	FS50-.0'		24								X			2.4												
1202	9/30/2025	S	1	FS51-.5'		25								X			2.0												
1419	9/30/2025	S	1	FS52-.0'		26								X			2.4												
1012	9/30/2025	S	1	FS54-.5		27								X			3.4												
1014	9/30/2025	S	1	FS55-.5'		28								X			3.0												
1159	9/30/2025	S	1	FS57-.5'		29								X			2.8												
1156	9/30/2025	S	1	FS58-.5'		30								X			2.6												
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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																													
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 temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N																	
Michelle Gonzales		10-1-25		1010		Michelle Gonzales		10-1-25		1010																			
Michelle Gonzales		10-1-25		1445		Mariassa Gonzales		10-1-25		1445																			
Mariassa Gonzales		10-1-25		1900		Andrew Musso		10-1-25		1900																			
Andrew Musso		10-1-25		2345		Caitlin Mar		10-2-25		800																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																													



Page 295 of 402

## Envirotech Analytical Laboratory

Printed: 10/2/2025 10:08:37AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/02/25 08:00	Work Order ID:	E510012
Phone:	(972) 371-5200	Date Logged In:	10/01/25 16:17	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/08/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510026

Job Number: 23003-0002

Received: 10/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/9/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 10/9/25

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



Project Name: Iggles Well Pad  
Workorder: E510026  
Date Received: 10/3/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2025 7:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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Client Representative  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported: 10/09/25 09:53
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS35-0'	E510026-01A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 9:53:01AM

**FS35-0'**

**E510026-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540119	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.5 %</i>	<i>70-130</i>		<i>10/03/25</i>	<i>10/06/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>95.7 %</i>	<i>70-130</i>		<i>10/03/25</i>	<i>10/06/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2540123	
Diesel Range Organics (C10-C28)	<b>430</b>	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	<b>131</b>	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>	<i>93.3 %</i>	<i>61-141</i>		<i>10/03/25</i>	<i>10/03/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2540117	
Chloride	<b>2780</b>	40.0	2	10/03/25	10/03/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 9:53:01AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540119-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

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	9.85		8.00		123	70-130			

## LCS (2540119-BS1)

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.98	0.0250	5.00		79.6	70-130			
Ethylbenzene	4.06	0.0250	5.00		81.2	70-130			
Toluene	4.01	0.0250	5.00		80.2	70-130			
o-Xylene	4.17	0.0250	5.00		83.3	70-130			
p,m-Xylene	8.26	0.0500	10.0		82.6	70-130			
Total Xylenes	12.4	0.0250	15.0		82.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.94		8.00		124	70-130			

## Matrix Spike (2540119-MS1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	4.18	0.0250	5.00	ND	83.6	70-130			
Ethylbenzene	4.23	0.0250	5.00	ND	84.7	70-130			
Toluene	4.20	0.0250	5.00	ND	84.0	70-130			
o-Xylene	4.39	0.0250	5.00	ND	87.9	70-130			
p,m-Xylene	8.62	0.0500	10.0	ND	86.2	70-130			
Total Xylenes	13.0	0.0250	15.0	ND	86.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.84		8.00		123	70-130			

## Matrix Spike Dup (2540119-MSD1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.64	0.0250	5.00	ND	72.9	70-130	13.8	27	
Ethylbenzene	3.65	0.0250	5.00	ND	72.9	70-130	14.9	26	
Toluene	3.63	0.0250	5.00	ND	72.6	70-130	14.5	20	
o-Xylene	3.82	0.0250	5.00	ND	76.4	70-130	13.9	25	
p,m-Xylene	7.46	0.0500	10.0	ND	74.6	70-130	14.4	23	
Total Xylenes	11.3	0.0250	15.0	ND	75.2	70-130	14.2	26	
Surrogate: 4-Bromochlorobenzene-PID	9.72		8.00		121	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 9:53:01AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540119-BLK1) Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			

LCS (2540119-BS2) Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike (2540119-MS2) Source: E510023-22 Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		102	70-130			

Matrix Spike Dup (2540119-MSD2) Source: E510023-22 Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	8.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 9:53:01AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540123-BLK1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.6		50.0		95.2	61-141			

LCS (2540123-BS1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Diesel Range Organics (C10-C28)	222	25.0	250		88.8	66-144			
Surrogate: n-Nonane	46.0		50.0		92.1	61-141			

Matrix Spike (2540123-MS1)					Source: E510020-13		Prepared: 10/03/25 Analyzed: 10/03/25		
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.1	56-156			
Surrogate: n-Nonane	47.1		50.0		94.3	61-141			

Matrix Spike Dup (2540123-MSD1)					Source: E510020-13		Prepared: 10/03/25 Analyzed: 10/03/25		
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.2	56-156	1.00	20	
Surrogate: n-Nonane	46.9		50.0		93.8	61-141			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/9/2025 9:53:01AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540117-BLK1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Chloride	ND	20.0							
LCS (2540117-BS1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2540117-MS1)					Source: E510023-21		Prepared: 10/03/25 Analyzed: 10/03/25		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2540117-MSD1)					Source: E510023-21		Prepared: 10/03/25 Analyzed: 10/03/25		
Chloride	255	20.0	250	ND	102	80-120	0.871	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/25 09:53

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Iggle Well Pad				Address: 3122 National Parks Hwy		E5100210	23003-002				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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1305	10/1/2025	S	1	FS35 - 0'		1									X				
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>																			
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: <input checked="" type="checkbox"/> Y / N													
Michelle Gonzales	10-2-25	1000	Michelle Gonzales	10-2-25	1000														
Michelle Gonzales	10-2-25	1500	Marianna Gonzales	10-2-25	1500														
Marianna Gonzales	10-2-25	1900	Andrew Musso	10-2-25	1900														
Andrew Musso	10-2-25	2330	Carly Mar	10-3-25	700														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
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: 10/3/2025 9:31:39AM

## 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:	10/03/25 07:00	Work Order ID:	E510026
Phone:	(972) 371-5200	Date Logged In:	10/02/25 15:16	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/09/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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.

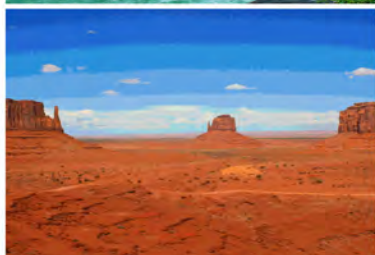
Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510027

Job Number: 23003-0002

Received: 10/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/9/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/9/25

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



Project Name: Iggles Well Pad  
Workorder: E510027  
Date Received: 10/3/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2025 7:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported: 10/09/25 09:54
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS43-0'	E510027-01A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 9:54:05AM

**FS43-0'**

**E510027-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540119	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.4 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.8 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2540123	
Diesel Range Organics (C10-C28)	300	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	379	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>	94.2 %	61-141		10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2540117	
Chloride	415	20.0	1	10/03/25	10/03/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 9:54:05AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540119-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

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	9.85		8.00		123	70-130			

## LCS (2540119-BS1)

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.98	0.0250	5.00		79.6	70-130			
Ethylbenzene	4.06	0.0250	5.00		81.2	70-130			
Toluene	4.01	0.0250	5.00		80.2	70-130			
o-Xylene	4.17	0.0250	5.00		83.3	70-130			
p,m-Xylene	8.26	0.0500	10.0		82.6	70-130			
Total Xylenes	12.4	0.0250	15.0		82.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.94		8.00		124	70-130			

## Matrix Spike (2540119-MS1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	4.18	0.0250	5.00	ND	83.6	70-130			
Ethylbenzene	4.23	0.0250	5.00	ND	84.7	70-130			
Toluene	4.20	0.0250	5.00	ND	84.0	70-130			
o-Xylene	4.39	0.0250	5.00	ND	87.9	70-130			
p,m-Xylene	8.62	0.0500	10.0	ND	86.2	70-130			
Total Xylenes	13.0	0.0250	15.0	ND	86.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.84		8.00		123	70-130			

## Matrix Spike Dup (2540119-MSD1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.64	0.0250	5.00	ND	72.9	70-130	13.8	27	
Ethylbenzene	3.65	0.0250	5.00	ND	72.9	70-130	14.9	26	
Toluene	3.63	0.0250	5.00	ND	72.6	70-130	14.5	20	
o-Xylene	3.82	0.0250	5.00	ND	76.4	70-130	13.9	25	
p,m-Xylene	7.46	0.0500	10.0	ND	74.6	70-130	14.4	23	
Total Xylenes	11.3	0.0250	15.0	ND	75.2	70-130	14.2	26	
Surrogate: 4-Bromochlorobenzene-PID	9.72		8.00		121	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 9:54:05AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540119-BLK1) Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			

LCS (2540119-BS2) Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike (2540119-MS2) Source: E510023-22 Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		102	70-130			

Matrix Spike Dup (2540119-MSD2) Source: E510023-22 Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	8.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 9:54:05AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540123-BLK1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.6		50.0		95.2	61-141			

LCS (2540123-BS1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Diesel Range Organics (C10-C28)	222	25.0	250		88.8	66-144			
Surrogate: n-Nonane	46.0		50.0		92.1	61-141			

Matrix Spike (2540123-MS1)					Source: E510020-13		Prepared: 10/03/25 Analyzed: 10/03/25		
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.1	56-156			
Surrogate: n-Nonane	47.1		50.0		94.3	61-141			

Matrix Spike Dup (2540123-MSD1)					Source: E510020-13		Prepared: 10/03/25 Analyzed: 10/03/25		
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.2	56-156	1.00	20	
Surrogate: n-Nonane	46.9		50.0		93.8	61-141			



## QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/9/2025 9:54:05AM
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## Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540117-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

Chloride ND 20.0

## LCS (2540117-BS1)

Prepared: 10/03/25 Analyzed: 10/03/25

Chloride 254 20.0 250 102 90-110

## Matrix Spike (2540117-MS1)

Source: E510023-21

Prepared: 10/03/25 Analyzed: 10/03/25

Chloride 253 20.0 250 ND 101 80-120

## Matrix Spike Dup (2540117-MSD1)

Source: E510023-21

Prepared: 10/03/25 Analyzed: 10/03/25

Chloride 255 20.0 250 ND 102 80-120 0.871 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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/25 09:54

- 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.





[illegible]

## Envirotech Analytical Laboratory

Printed: 10/3/2025 9:32:38AM

## 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:	10/03/25 07:00	Work Order ID:	E510027
Phone:	(972) 371-5200	Date Logged In:	10/02/25 15:18	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/09/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510028

Job Number: 23003-0002

Received: 10/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/9/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/9/25

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



Project Name: Iggles Well Pad  
Workorder: E510028  
Date Received: 10/3/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2025 7:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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QC - Anions by EPA 300.0/9056A	9
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Sample Summary

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/25 08:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS44-0'	E510028-01A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:26:08AM

**FS44-0'**

**E510028-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540119	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.0 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2540119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.7 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2540123	
Diesel Range Organics (C10-C28)	179	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	161	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>	93.4 %	61-141		10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	8140	100	5	10/06/25	10/06/25	





## QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/9/2025 8:26:08AM
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## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540119-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

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	9.85		8.00		123	70-130			

## LCS (2540119-BS1)

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.98	0.0250	5.00		79.6	70-130			
Ethylbenzene	4.06	0.0250	5.00		81.2	70-130			
Toluene	4.01	0.0250	5.00		80.2	70-130			
o-Xylene	4.17	0.0250	5.00		83.3	70-130			
p,m-Xylene	8.26	0.0500	10.0		82.6	70-130			
Total Xylenes	12.4	0.0250	15.0		82.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.94		8.00		124	70-130			

## Matrix Spike (2540119-MS1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	4.18	0.0250	5.00	ND	83.6	70-130			
Ethylbenzene	4.23	0.0250	5.00	ND	84.7	70-130			
Toluene	4.20	0.0250	5.00	ND	84.0	70-130			
o-Xylene	4.39	0.0250	5.00	ND	87.9	70-130			
p,m-Xylene	8.62	0.0500	10.0	ND	86.2	70-130			
Total Xylenes	13.0	0.0250	15.0	ND	86.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.84		8.00		123	70-130			

## Matrix Spike Dup (2540119-MSD1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.64	0.0250	5.00	ND	72.9	70-130	13.8	27	
Ethylbenzene	3.65	0.0250	5.00	ND	72.9	70-130	14.9	26	
Toluene	3.63	0.0250	5.00	ND	72.6	70-130	14.5	20	
o-Xylene	3.82	0.0250	5.00	ND	76.4	70-130	13.9	25	
p,m-Xylene	7.46	0.0500	10.0	ND	74.6	70-130	14.4	23	
Total Xylenes	11.3	0.0250	15.0	ND	75.2	70-130	14.2	26	
Surrogate: 4-Bromochlorobenzene-PID	9.72		8.00		121	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 8:26:08AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540119-BLK1) Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			

LCS (2540119-BS2) Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike (2540119-MS2) Source: E510023-22 Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		102	70-130			

Matrix Spike Dup (2540119-MSD2) Source: E510023-22 Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	8.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 8:26:08AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2540123-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.6		50.0		95.2	61-141			

## LCS (2540123-BS1)

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	222	25.0	250		88.8	66-144			
Surrogate: <i>n</i> -Nonane	46.0		50.0		92.1	61-141			

## Matrix Spike (2540123-MS1)

Source: E510020-13

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.1	56-156			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.3	61-141			

## Matrix Spike Dup (2540123-MSD1)

Source: E510020-13

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.2	56-156	1.00	20	
Surrogate: <i>n</i> -Nonane	46.9		50.0		93.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/9/2025 8:26:08AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540129-BLK1)					Prepared: 10/06/25 Analyzed: 10/06/25				
Chloride	ND	20.0							
LCS (2540129-BS1)					Prepared: 10/06/25 Analyzed: 10/06/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2540129-MS1)					Source: E510029-02		Prepared: 10/06/25 Analyzed: 10/06/25		
Chloride	286	20.0	250	33.3	101	80-120			
Matrix Spike Dup (2540129-MSD1)					Source: E510029-02		Prepared: 10/06/25 Analyzed: 10/06/25		
Chloride	287	20.0	250	33.3	101	80-120	0.238	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/25 08:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E510028	2303-0002					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						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	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1004	10/1/2025	S	1	FS44 - 0'		1									X				
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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																			
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: <u>Y</u> N													
Michelle Gonzales	10-2-25	1000	Michelle Gonzales	10-2-25	1000														
Michelle Gonzales	10-2-25	1500	Marissa Gonzales	10-2-25	1500														
Marissa Gonzales	10-2-25	1900	Andrew Musso	10-2-25	1900														
Andrew Musso	10-2-25	2330	Cathy Han	10-3-25	700														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
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: 10/3/2025 9:34:04AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/03/25 07:00	Work Order ID:	E510028
Phone:	(972) 371-5200	Date Logged In:	10/02/25 15:19	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/09/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Iggles Well Pad

Work Order: E510029

Job Number: 23003-0002

Received: 10/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/9/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/9/25

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



Project Name: Iggles Well Pad  
Workorder: E510029  
Date Received: 10/3/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2025 7:00:00AM, under the Project Name: Iggles Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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**Sample Summary**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/09/25 08:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02-0'	E510029-01A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS04-0'	E510029-02A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS05-0'	E510029-03A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS06-0.5'	E510029-04A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS07-0.5'	E510029-05A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS17-0.5'	E510029-06A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS23-0.5'	E510029-07A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS24-0.5'	E510029-08A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS25-0.5'	E510029-09A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS26-0.5'	E510029-10A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS29-0'	E510029-11A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS30-0'	E510029-12A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS34-0'	E510029-13A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS36-0.5'	E510029-14A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS53-0'	E510029-15A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
FS59-0.5'	E510029-16A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

**FS02-0'**

**E510029-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>		99.4 %	61-141	10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	515	20.0	1	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS04-0'

E510029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.6 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		98.3 %	61-141	10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	33.3	20.0	1	10/06/25	10/06/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS05-0'

E510029-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	97.1 %	61-141		10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	6800	100	5	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS06-0.5'

E510029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		99.1 %	61-141	10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	2770	40.0	2	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS07-0.5'

E510029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
	99.1 %	61-141		10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	1550	20.0	1	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS17-0.5'

E510029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.5 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	111	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	146	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>	98.2 %	61-141		10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	1240	20.0	1	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS23-0.5'

E510029-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	49.1	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	79.4	50.0	1	10/03/25	10/03/25	
<i>Surrogate: n-Nonane</i>						
		98.6 %	61-141	10/03/25	10/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	5350	100	5	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS24-0.5'

E510029-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
	96.8 %	61-141		10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	5840	100	5	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS25-0.5'

E510029-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
	96.6 %	61-141		10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	1320	20.0	1	10/06/25	10/06/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS26-0.5'

E510029-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	26.9	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
		96.8 %	61-141	10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	1980	40.0	2	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS29-0'

E510029-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	219	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	324	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	10900	200	10	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS30-0'

E510029-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	135	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	205	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
	99.0 %	61-141		10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	12700	200	10	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS34-0'

E510029-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	40.5	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	60.0	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
	98.9 %	61-141		10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	4930	100	5	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS36-0.5'

E510029-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	1090	20.0	1	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS53-0'

E510029-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>						
	99.1 %	61-141		10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	6790	100	5	10/06/25	10/06/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Iggles Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/9/2025 8:28:16AM

FS59-0.5'

E510029-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Benzene	ND	0.0250	1	10/03/25	10/06/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/06/25	
Toluene	ND	0.0250	1	10/03/25	10/06/25	
o-Xylene	ND	0.0250	1	10/03/25	10/06/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/06/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2540133	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.1 %	70-130		10/03/25	10/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2540124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/04/25	
<i>Surrogate: n-Nonane</i>	103 %	61-141		10/03/25	10/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2540129	
Chloride	884	20.0	1	10/06/25	10/06/25	





QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 8:28:16AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540133-BLK1) Prepared: 10/03/25 Analyzed: 10/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			

LCS (2540133-BS1) Prepared: 10/03/25 Analyzed: 10/06/25

Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.63	0.0250	5.00		92.6	70-130			
o-Xylene	4.57	0.0250	5.00		91.4	70-130			
p,m-Xylene	9.36	0.0500	10.0		93.6	70-130			
Total Xylenes	13.9	0.0250	15.0		92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.8	70-130			

Matrix Spike (2540133-MS1) Source: E510029-05 Prepared: 10/03/25 Analyzed: 10/06/25

Benzene	5.28	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.25	0.0250	5.00	ND	105	70-130			
Toluene	5.25	0.0250	5.00	ND	105	70-130			
o-Xylene	5.21	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

Matrix Spike Dup (2540133-MSD1) Source: E510029-05 Prepared: 10/03/25 Analyzed: 10/06/25

Benzene	5.71	0.0250	5.00	ND	114	70-130	7.79	27	
Ethylbenzene	5.69	0.0250	5.00	ND	114	70-130	8.06	26	
Toluene	5.68	0.0250	5.00	ND	114	70-130	7.98	20	
o-Xylene	5.64	0.0250	5.00	ND	113	70-130	8.08	25	
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130	8.00	23	
Total Xylenes	17.1	0.0250	15.0	ND	114	70-130	8.03	26	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 8:28:16AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540133-BLK1) Prepared: 10/03/25 Analyzed: 10/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

LCS (2540133-BS2) Prepared: 10/03/25 Analyzed: 10/06/25

Gasoline Range Organics (C6-C10)	57.8	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

Matrix Spike (2540133-MS2) Source: E510029-05 Prepared: 10/03/25 Analyzed: 10/06/25

Gasoline Range Organics (C6-C10)	60.6	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2540133-MSD2) Source: E510029-05 Prepared: 10/03/25 Analyzed: 10/06/25

Gasoline Range Organics (C6-C10)	57.3	20.0	50.0	ND	115	70-130	5.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Iggles Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2025 8:28:16AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540124-BLK1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.0		50.0		96.0	61-141			

LCS (2540124-BS1)					Prepared: 10/03/25 Analyzed: 10/03/25				
Diesel Range Organics (C10-C28)	247	25.0	250		98.9	66-144			
Surrogate: n-Nonane	48.3		50.0		96.7	61-141			

Matrix Spike (2540124-MS1)					Source: E510029-04		Prepared: 10/03/25 Analyzed: 10/03/25		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	50.0		50.0		100	61-141			

Matrix Spike Dup (2540124-MSD1)					Source: E510029-04		Prepared: 10/03/25 Analyzed: 10/03/25		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	56-156	3.56	20	
Surrogate: n-Nonane	47.5		50.0		94.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Iggles Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/9/2025 8:28:16AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540129-BLK1)					Prepared: 10/06/25 Analyzed: 10/06/25				
Chloride	ND	20.0							
LCS (2540129-BS1)					Prepared: 10/06/25 Analyzed: 10/06/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2540129-MS1)					Source: E510029-02		Prepared: 10/06/25 Analyzed: 10/06/25		
Chloride	286	20.0	250	33.3	101	80-120			
Matrix Spike Dup (2540129-MSD1)					Source: E510029-02		Prepared: 10/06/25 Analyzed: 10/06/25		
Chloride	287	20.0	250	33.3	101	80-120	0.238	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:	Iggles Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/25 08:28

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

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

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



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E510029	23003-002				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	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1154	10/1/2025	S	1	FS02 - 0'		1								X			2.4			
1152	10/1/2025	S	1	FS04 - 0'		2								X			2.6			
1154	10/1/2025	S	1	FS05 - 0'		3								X			2.1			
955	10/1/2025	S	1	FS06 - 0.5		4								X			2.2			
957	10/1/2025	S	1	FS07 - 0.5'		5								X			3.4			
959	10/1/2025	S	1	FS17 - 0.5'		6								X			4.0			
1143	10/1/2025	S	1	FS23 - 0.5'		7								X			4.6			
1147	10/1/2025	S	1	FS24 - 0.5'		8								X			3.8			
1000	10/1/2025	S	1	FS25 - 0.5'		9								X			3.7			
1149	10/1/2025	S	1	FS26 - 0.5'		10								X			4.2			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>																				
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: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
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.																				

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Iggles Well Pad				Address: 3122 National Parks Hwy		E510029	2303-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1300	10/1/2025	S	1	FS29 - 0'		11								X					
1159	10/1/2025	S	1	FS30 - 0'		12								X					
1306	10/1/2025	S	1	FS34 - 0'		13								X					
1150	10/1/2025	S	1	FS36 - 0.5'		14								X					
1009	10/1/2025	S	1	FS53 - 0'		15								X					
1143	10/1/2025	S	1	FS59 - 0.5'		16								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, lgonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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																			
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	<p>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.</p> <p>Lab Use Only</p> <p>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N</p>													
Michelle Gonzales	10-2-25	1000	Michelle Gonzales	10-2-25	1000														
Michelle Gonzales	10-2-25	1500	Michelle Gonzales	10-2-25	1500														
Marissa Gonzales	10-2-25	1900	Marissa Gonzales	10-2-25	1900														
Andrew Musso	10-2-25	2330	Andrew Musso	10-3-25	700														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
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: 10/3/2025 9:35:19AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/03/25 07:00	Work Order ID:	E510029
Phone:	(972) 371-5200	Date Logged In:	10/02/25 15:20	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/09/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

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.



## APPENDIX E

### NMOCD Correspondence

---

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 464966

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 464966
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Iggles well Pad
Date Release Discovered	05/19/2025
Surface Owner	State

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Injection   Produced Water   Released: 40 BBL   Recovered: 10 BBL   Lost: 30 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Equipment failure a 90 washed out during fracking operations.

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

QUESTIONS, Page 2

Action 464966

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 464966
	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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Phone: (505) 476-3441

General Information  
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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**

ACKNOWLEDGMENTS

Action 464966

**ACKNOWLEDGMENTS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 464966
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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General Information  
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

CONDITIONS

Action 464966

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 464966
	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.	5/20/2025

Impacted Soil On-Pad	
Saturated Soil (inches)	
	0.75
Area (sq. ft.)	
	13450
Standing fluids	
inches of standing fluid	
	0.25
bbl estimate of standing fluids	
barrels recovered (if known)	
	10
Soil type	
pad caliche	
Spill type	
produced water	
Barrel estimate in soil	
	29.9
Barrel estimate (standing fluids/ recovered+in soil)	
	39.9



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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 465100

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 465100
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514028173
Incident Name	NAPP2514028173 IGGLES WELL PAD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Iggles well Pad
Date Release Discovered	05/19/2025
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Injection   Produced Water   Released: 40 BBL   Recovered: 10 BBL   Lost: 30 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Equipment failure a 90 washed out during fracking operations.

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, Page 2

Action 465100

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 465100
	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: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 05/20/2025
--	--

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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, Page 3

Action 465100

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 465100
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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.

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	No
<i>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.</i>	

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/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 465100

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 465100
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	5/20/2025

**From:** [SLO Spills](#)  
**To:** [Jason Touchet](#); [SLO Spills](#)  
**Cc:** [Arsenio Jones](#); [Ashley Giovengo](#); [Chad Hamilton](#)  
**Subject:** Spill Notification Receipt - Matador - Iggles Well Pad - SLO Notice of Release (nAPP2514028173) 05-19-2025  
**Date:** Tuesday, May 20, 2025 5:03:20 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)

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[ \*\*EXTERNAL EMAIL\*\* ]

Thank you for notifying the NMSLO Environmental Compliance Office (ECO) of the release noted in the subject line above and the potential impact to State Trust Land. Please verify the lat/long information provided in the spill notification, as they don't line up with the pictures included in the email.

Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

1. Identify compliance requirements for the Cultural Properties Protection (CPP) Rule.
2. Identify avoidance, minimization, or mitigation measures for impact to any biologically sensitive areas.
3. Apply for a Right of Entry (ROE) for Remediation if any part of the remediation occurs off of the active lease of the responsible party. A site delineation plan and reclamation plan are required for the ROE application. (<https://www.nmstatelands.org/resources/forms-and-applications/>)
4. If the remediation closure report is not submitted within 90 days of discovery of the release, a site delineation plan must be submitted to [eco@nmslo.gov](mailto:eco@nmslo.gov) for review and approval. (If delineation and remediation happen concurrently, a remediation plan must be submitted to [eco@nmslo.gov](mailto:eco@nmslo.gov) in place of a site delineation plan.)
5. Subsequent reports that must be submitted to ECO include:
  - **remediation plan;**
  - **reclamation plan, if applicable; or**
  - **remediation with reclamation plan;**
  - **remediation closure report; or**
  - **remediation closure report with reclamation activities report;**
  - **reclamation activities report;**
  - **final reclamation report, if applicable.**

**SAMPLING NOTIFICATIONS**

Written notification of the confirmation sampling event must be submitted to ECO a minimum of two (2) business days before the sampling event, or as directed by ECO. Please submit notifications

to eco@nmslo.gov with the subject line as follows: **(Sampling Notification) Company-Location Name (API/Incident #)-Date of Incident.**

#### **NMSLO RESOURCES**

- RIGHT OF ENTRY FORMS: Rights of Way Forms - <https://www.nmstatelands.org/resources/forms-and-applications/>
- ECO GUIDANCE DOCUMENTS: Environmental Compliance Office - <https://www.nmstatelands.org/resources/forms-and-applications/>
- LEASE STATUS MAP: <https://mapservice.nmstatelands.org/LandStatus/>
- NMSLO OIL & GAS MANUAL: [https://www.nmstatelands.org/wp-content/uploads/2023/07/Oil-and-Gas-Manual-2023-\\_WEB.pdf](https://www.nmstatelands.org/wp-content/uploads/2023/07/Oil-and-Gas-Manual-2023-_WEB.pdf)
- NMSLO LEASE SEARCH: <https://secure.slo.state.nm.us/Applications/SLOConnect/>

#### **CULTURAL PROPERTIES PROTECTION RULE (19.2.24 NMAC) FOR REMEDIATION AND RECLAMATION ACTIVITIES**

- A.** As soon as possible, when a new release or damage occurs on STL, contact a Cultural Resource Consultant who will:
1. Conduct an Archaeological Records Management System (ARMS) review to determine if any known cultural properties have been previously identified within the remediation area and if the area has been surveyed for cultural resources.
  2. Advise as to whether an archaeological monitor should be present during initial containment activities and subsequent remediation efforts.
  3. Advise as to whether a full cultural properties survey will be required after containment and before full remediation.
- B.** A list of cultural resource consultants permitted to conduct work on state lands is maintained here: <https://www.nhhistoricpreservation.org/programs/permits.html>.
- C.** To learn more about NMSLO's Cultural Properties Protection Rule visit: <https://www.nmstatelands.org/divisions/cultural-resources-office/culturalproperties/>. CRO can be contacted via email at [croinfo@nmslo.gov](mailto:croinfo@nmslo.gov) or call 505-827-5781.

#### **BIOLOGICAL COMPLIANCE & REPORTING**

ECO recommends utilizing the resources below to determine if the site activities are occurring in a sensitive or restricted area. Also, when additional assistance is needed, ECO recommends consulting with a qualified third-party biologist for evaluation of potential impacts to threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, cave and karst features, and sensitive soils before conducting remediation and reclamation activities.

#### **BIOLOGICAL COMPLIANCE RESOURCES**

- New Mexico State Land Office Land Status Map <https://mapservice.nmstatelands.org/LandStatus>

- U.S. Fish and Wildlife Services [Information for Planning and Consultation:](https://ipac.ecosphere.fws.gov/)  
<https://ipac.ecosphere.fws.gov/>
- BISON-M database: <https://bison-m.org/>
- New Mexico Department of Game and Fish Environmental Review Tool (ERT):  
<https://nmert.org/content/map>
- Open Enviro Map Wetlands: <https://gis.web.env.nm.gov/oem/?map=wetlands>

Thank you for working with ECO and your efforts to protect State Trust Land.

**Environmental Compliance Office**

**Surface Resources Division**

[eco@nmslo.gov](mailto:eco@nmslo.gov)

[nmstatelands.org](http://nmstatelands.org)

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---

**From:** Jason Touchet <jason.touchet@matadorresources.com>

**Sent:** Tuesday, May 20, 2025 9:17 AM

**To:** SLO Spills <spills@nmslo.gov>

**Cc:** Arsenio Jones <arsenio.jones@matadorresources.com>; Ashley Giovengo  
([agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)) <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>; Chad Hamilton  
<[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>

**Subject:** [EXTERNAL] Iggles Well Pad - SLO Notice of Release (nAPP2514028173) 05-19-2025

Greetings,

Please see the attached SLO Spill Notification Form for the release at the Iggles Well Pad.  
Please let me know if you have any additional questions.

Thanks,

**Jason Touchet**

**EHS Specialist**

**Matador Resources Company**

**Cell: 337-652-3463**

**Email: [jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)**

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.



**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Chad Hamilton](#); [Velez, Nelson, EMNRD](#); [Rodgers, Scott, EMNRD](#); [Buchanan, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)  
**Cc:** [Ashley Giovengo](#); [Jason Touchet](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Extension Request - Matador Production Company - Iggles Well Pad - nAPP2514028173  
**Date:** Monday, August 18, 2025 2:34:39 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)

---

[ \*\*EXTERNAL EMAIL\*\* ]

Good afternoon Chad,

A 90-day extension is approved for NAPP2514028173 IGGLES WELL PAD. A remediation plan or remediation closure report must be submitted to the OCD Permitting website no later than November 17, 2025. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Chad Hamilton <chamilton@ensolum.com>  
**Sent:** Monday, August 18, 2025 1:44 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Cc:** Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>  
**Subject:** [EXTERNAL] Extension Request - Matador Production Company - Iggles Well Pad - nAPP2514028173

CAUTION: This email originated outside of our organization. Exercise caution prior to

clicking on links or opening attachments.

Hello all,

Matador Production Company (Matador) is requesting an extension of the current deadline of August 18, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Iggles Well Pad (Site) (Incident Number nAPP2514028173). The release occurred on May 19, 2025, and 40 barrels (bbls) of produced water were released; 10 bbls of produced water were recovered. The release impacted an area on-pad approximately 13,580 square feet in size on State Trust Land managed by the New Mexico State Land Office (NMSLO). Lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria was completed on August 11, 2025. Excavation of the subject matter release will begin once results from delineation soil sampling activities have been received. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until November 17, 2025. Please let me know if you have any further questions regarding this site.

Thanks



**Chad Hamilton**

Project Geologist

940-923-0072

**Ensolum, LLC**

in f 

**From:** [SLO Spills](#)  
**To:** [Chad Hamilton](#); [Jason Touchet](#)  
**Cc:** [Arsenio Jones](#); [Ashley Giovengo](#)  
**Subject:** RE: (Extension Request) Matador Production Company -Iggles Well Pad (nAPP2514028173) - 5/19/2025  
**Date:** Thursday, August 21, 2025 12:41:25 PM  
**Attachments:** [image004.png](#)  
[image007.png](#)  
[image008.png](#)  
[image011.png](#)

---

[ \*\*EXTERNAL EMAIL\*\* ]

Thank you. Yes I remember this one now. ECO will honor NMOCD's extension approval. Please submit the remediation closure report to [eco@nmslo.gov](mailto:eco@nmslo.gov).

I'll update our records with the new due date

**Tami C. Knight, CHMM**  
Senior Environmental Scientist  
Environmental Compliance Office  
Mobile: 505.670.1638  
[tknight@nmslo.gov](mailto:tknight@nmslo.gov)  
[nmstatelands.org](http://nmstatelands.org)

**In Field: August 22, 2025**  
**NMSLO is closed September 1, 2025**

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---

**From:** Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Sent:** Thursday, August 21, 2025 12:39 PM  
**To:** SLO Spills <[spills@nmslo.gov](mailto:spills@nmslo.gov)>; Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>  
**Cc:** Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>; Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Subject:** [EXTERNAL] RE: (Extension Request) Matador Production Company -Iggles Well Pad (nAPP2514028173) - 5/19/2025

Tami,

Apologies for the delayed response. Attached is a figure showing delineation sample locations, release extent, infrastructure, and the pad boundary. Let me know if you need anything else.

Thanks,

---

**From:** SLO Spills <[spills@nmslo.gov](mailto:spills@nmslo.gov)>  
**Sent:** Wednesday, August 20, 2025 10:52 AM  
**To:** Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>; Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>  
**Cc:** Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>; Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Subject:** RE: (Extension Request) Matador Production Company -Iggles Well Pad (nAPP2514028173) - 5/19/2025

[ \*\*EXTERNAL EMAIL\*\* ]

Would you please send me a generic site map that shows the anticipated outline of the remediation excavation that is requested to be able to proceed without a workplan.

Tami

---

**From:** Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Sent:** Wednesday, August 20, 2025 10:21 AM  
**To:** SLO Spills <[spills@nmslo.gov](mailto:spills@nmslo.gov)>; Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>  
**Cc:** Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>; Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Subject:** [EXTERNAL] RE: (Extension Request) Matador Production Company -Iggles Well Pad (nAPP2514028173) - 5/19/2025

Good morning, Tami,

Ensolum completed delineation soil sampling activities on August 11, 2025, and we are still waiting on laboratory analytical results. Once received, we will prepare a delineation soil sampling figure and SOW for excavation. We have not begun excavation of the subject matter release as of yet. Please let me know if you have any additional questions.

Thanks,  
Chad Hamiton

---

**From:** SLO Spills <[spills@nmslo.gov](mailto:spills@nmslo.gov)>  
**Sent:** Wednesday, August 20, 2025 10:14 AM  
**To:** Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>

**Cc:** Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>; Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>; Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>

**Subject:** RE: (Extension Request) Matador Production Company -Iggles Well Pad (nAPP2514028173) - 5/19/2025

[\*\*EXTERNAL EMAIL\*\*]

Please submit a site map of existing excavation extents.

**Tami C. Knight, CHMM**  
Senior Environmental Scientist  
Environmental Compliance Office  
Mobile: 505.670.1638  
[tknight@nmslo.gov](mailto:tknight@nmslo.gov)  
[nmstatelands.org](http://nmstatelands.org)

**NMSLO is closed September 1, 2025**

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---

**From:** Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>

**Sent:** Tuesday, August 19, 2025 10:57 AM

**To:** SLO Spills <[spills@nmslo.gov](mailto:spills@nmslo.gov)>

**Cc:** Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>; Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)> <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>; Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>

**Subject:** [EXTERNAL] (Extension Request) Matador Production Company -Iggles Well Pad (nAPP2514028173) - 5/19/2025

Greetings,

Matador Production Company would like approval to proceed with remediation on nAPP2514028173 (Iggles Well Pad). We have exceeded 90 days to submit closure; NMOCD has granted an extension for November 17, 2025. Delineation was completed on August 11, 2025, pending laboratory analytical results. This release was entirely

contained on-pad on previously disturbed areas and therefore does not require Cultural Properties Protection (CPP) or biological survey. Any activities off pad will be reviewed for compliance with the CPP rule and verify no biologically sensitive areas will be affected by off pad activities. We have attached the Remediation Closure Extension Request. Please Let me know if you have any questions.

Thanks,

**Jason Touchet**

**EHS Specialist**

**Matador Resources Company**

**Cell: 337-652-3463**

**Email: [jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)**

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**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [Chad Hamilton](#); [Jason Touchet](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Confirmation Sampling Variance - Iggles Well Pad - Incident Number nAPP2514028173  
**Date:** Thursday, August 21, 2025 2:18:41 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)

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[ \*\*EXTERNAL EMAIL\*\* ]

Good afternoon Ashley,

Your request for a confirmation sample variance to collect bottom confirmation samples every 400 ft<sup>2</sup> and sidewall samples every 200 ft<sup>2</sup> is approved. Please include a copy of this and all notifications in the remedial and/or closure report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Ashley Giovengo <agiovengo@ensolum.com>  
**Sent:** Thursday, August 21, 2025 9:02 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Cc:** Chad Hamilton <chamilton@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>  
**Subject:** [EXTERNAL] Confirmation Sampling Variance - Iggles Well Pad - Incident Number nAPP2514028173

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Iggle Well Pad (Site). On May 19, 2025, a flowline resulted in the release of approximately 40 barrels (bbls) of produced water onto the caliche pad; 10 bbls of produced water were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on May 20, 2025, and subsequently the release was assigned (Incident Number nAPP2514028173). The release impacted an area approximately 23,684 square feet (sq. ft.) in size on State Trust Land managed by the New Mexico State Land Office (NMSLO); the entire release remained on-pad. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, L-02499-POD3, located 1,457 feet southeast of the Site. The well had a reported depth to groundwater of 121 feet below ground surface (bgs) and a total depth of 180 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is an intermittent dry wash located approximately 1,392.1 feet southeast of the Site. The closest wetland is located approximately 891 feet southeast of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg TPH – Gasoline Range Organics (GRO) and TPH – Diesel Range Organics (DRO), 2,500 mg/kg Total TPH and 20,000 mg/kg chloride.

Ensolum completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I (see Table 1 and Table 1-CONT'D) on August 11, 2025. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin confirmation soil sampling activities at the Site on September 01, 2025, and intends to remove any impacts that exceed the Site Closure Criteria via mechanical equipment. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 101 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2514028173).

Thanks,



**Ashley Giovengo**

Associate Principal

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown



**From:** [Chad Hamilton](#)  
**To:** [eco@slo.state.nm.us](mailto:eco@slo.state.nm.us)  
**Cc:** [Jason Touchet](#); [Ashley Giovengo](#)  
**Subject:** (2-day Sample Notification) Matador Production Company - Iggle Well Pad (nAPP2514028173) 05-19-2025  
**Date:** Tuesday, September 23, 2025 7:36:56 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)

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Greetings,

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification for the Iggle Well Pad (Site) (nAPP2514028173). Confirmation soil sampling will take place beginning on Thursday September 25, 2025, and continue through Wednesday October 1, 2025. An Ensolum representative will be onsite to conduct sampling by 09:00 AM MST. The Site is in Unit O, Section 21, Township 18S, Range 34E (32.72718,-103.56113). Please let me know if you have any additional questions.

Thanks,



**Chad Hamilton**

Project Geologist

940-923-0072

**Ensolum, LLC**

in f 

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 508123

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508123
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514028173
Incident Name	NAPP2514028173 IGGLES WELL PAD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	IGGLES WELL PAD
Date Release Discovered	05/19/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	23,693
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/25/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (5413) 270-1244
Please provide any information necessary for navigation to sampling site	32.72718,-103.56113

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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 508123

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508123
	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.	9/22/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/22/2025

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS

Action 508446

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508446
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514028173
Incident Name	NAPP2514028173 IGGLES WELL PAD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	IGGLES WELL PAD
Date Release Discovered	05/19/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	23,693
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (5413) 270-1244
Please provide any information necessary for navigation to sampling site	32.72718,-103.56113

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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 508446

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508446
	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.	9/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/23/2025

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

QUESTIONS

Action 508436

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508436
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514028173
Incident Name	NAPP2514028173 IGGLES WELL PAD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	IGGLES WELL PAD
Date Release Discovered	05/19/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	23,693
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (5413) 270-1244
Please provide any information necessary for navigation to sampling site	32.72718,-103.56113

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Phone: (505) 476-3441

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1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 508436

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508436
	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.	9/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/23/2025

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

QUESTIONS

Action 508442

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508442
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514028173
Incident Name	NAPP2514028173 IGGLES WELL PAD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	IGGLES WELL PAD
Date Release Discovered	05/19/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	23,693
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (5413) 270-1244
Please provide any information necessary for navigation to sampling site	32.72718,-103.56113



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

CONDITIONS

Action 508442

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508442
	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.	9/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/23/2025

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Phone: (505) 476-3441

General Information  
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 508444

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508444
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514028173
Incident Name	NAPP2514028173 IGGLES WELL PAD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	IGGLES WELL PAD
Date Release Discovered	05/19/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	23,693
What is the estimated number of samples that will be gathered	80
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/30/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (5413) 270-1244
Please provide any information necessary for navigation to sampling site	32.72718,-103.56113)

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

CONDITIONS

Action 508444

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508444
	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.	9/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/23/2025

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

QUESTIONS

Action 536210

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536210
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514028173
Incident Name	NAPP2514028173 IGGLES WELL PAD @ O-21-18S-34E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

**Location of Release Source**

Please answer all the questions in this group.

Site Name	IGGLES WELL PAD
Date Release Discovered	05/19/2025
Surface Owner	State

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Injection   Produced Water   Released: 40 BBL   Recovered: 10 BBL   Lost: 30 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Equipment failure a 90 washed out during fracking operations.

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QUESTIONS, Page 2

Action 536210

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536210
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 12/18/2025
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QUESTIONS, Page 3

Action 536210

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536210
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
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	No

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	19100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	7600
GRO+DRO (EPA SW-846 Method 8015M)	3450
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	09/25/2025
On what date will (or did) the final sampling or liner inspection occur	12/10/2025
On what date will (or was) the remediation complete(d)	10/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	1200
What is the estimated volume (in cubic yards) that will be reclaimed	7
What is the estimated surface area (in square feet) that will be remediated	24319
What is the estimated volume (in cubic yards) that will be remediated	250
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 536210

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536210
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<b>Yes</b>
Which OCD approved facility will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<b>Yes</b>
What is the name of the NMED facility	Lea Land LLC
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>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>	
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: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 12/18/2025
<i>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.</i>	

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QUESTIONS, Page 5  
  
Action 536210

QUESTIONS (continued)

Operator:  MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:  228937
	Action Number:  536210
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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



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QUESTIONS, Page 6

Action 536210

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536210
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	531277
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/10/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	833

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	24319
What was the total volume (cubic yards) remediated	250
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1200
What was the total volume (in cubic yards) reclaimed	7
Summarize any additional remediation activities not included by answers (above)	"The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01, SS02 through SS04, SS05C, SS06, and SS07, collected at ground surface, and vertically by boreholes BH01 through BH05, collected at depths ranging from ground surface to 5 feet bgs. Confirmation floor samples FS01 through FS61 and confirmation sidewall soil samples SW01 and SW02, collected at depths ranging from ground surface to 1-foot bgs, were all in compliance with the Site Closure Criteria. Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2514028173."

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 12/18/2025
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QUESTIONS, Page 7

Action 536210

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536210
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 536210

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 536210
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	12/30/2025