

January 9, 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

**George Well Pad** 

Incident Number nAPP2333038378

**Eddy County, New Mexico** 

#### To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the George 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 onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2333038378.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 14, Township 24 South, Range 28 East, in Eddy County, New Mexico (32.21286°, -104.05189°) and is associated with oil and gas exploration and production operations on Private Land.

On November 26, 2023, a 4-inch butterfly valve was left open, resulting in the release of approximately 467 barrels (bbls) of a 50/50 mixture of produced water and diesel into a secondary containment and onto the caliche pad. A vacuum truck successfully recovered 450 bbls of produced water and diesel. Matador submitted a Release Notification Form C-141 (Form C-141) on November 28, 2023, to the New Mexico Oil Conservation Division (NMOCD), and the release was subsequently assigned Incident Number nAPP2333038378. The C-141 can be referenced on the NMOCD Portal. A *Remediation Work Plan* was approved by Shelly Wells on April 22, 2024. The submitted *Remediation Work Plan* was approved by Shelly Wells on April 22, 2024, with the request for sampling confirmation frequency variance of one sample per 400 square feet; however, notes in the approval indicated confirmation soil samples from the excavation floor and sidewalls should be collected every 200 square feet.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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Assessment/Characterization. Potential Site receptors are identified on Figure 1 and the referenced well records are included in Appendix A.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, C-04828 POD1, located approximately 0.22 miles northeast of the Site. The well was a soil boring drilled to assess depth to groundwater beneath the Site and was advanced to a depth of approximately 55 feet below ground surface (bgs) on June 10, 2024, and measured on June 13, 2024, to be dry and confirming depth to groundwater beneath the Site is estimated to be greater than 55 feet bgs.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland area, located approximately 686 feet west 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 (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

Chloride: 10,000 mg/kg

#### SITE ASSESSMENT ACTIVITIES

On December 5, 2023, December 6, 2023, and December 17, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eight preliminary soil samples (SS01 through SS08) were collected around the release extent at ground surface to assess the lateral extent of the impacted area. Four potholes, PH01 through PH04, were advanced within the release extent to assess the vertical extent of impacted soil; pothole PH04 was advanced to a depth of 4 feet bgs, PH03 was advanced to a depth of 2 feet bgs, PH01 was advanced to a depth of 1-foot bgs, and PH02 was advanced to a depth of 4 feet bgs. On October 3, 2024, Ensolum personnel returned to the Site to continue delineation activities. Potholes PH01 and PH02 were advanced further via a tracked excavator to a depth of 13 feet bgs. On December 17, 2024. Ensolum personnel returned to the Site to advance potholes PH01 and PH02 via air rotary drill. Pothole PH01 was advanced to a depth of 32 feet bgs and PH02 was advanced to a depth of 40 feet bgs. The preliminary soil samples were field screened for chloride utilizing Hach® Chloride QuanTab® test strips. 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.

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**

From October 1 through October 03, 2024, impacted soil was excavated via surface scrape from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a backhoe and belly dump trucks. To direct excavation activities, Ensolum personnel screened soil for chloride utilizing Hach® chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® soil analyzer system. The *Remediation Work Plan* was followed during the scrape of impacted material from the pad surface, collecting confirmation soil samples from the floor of the excavation every 400 square feet.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at least 400 square feet from the floor of the scrape. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS23) were collected from the floor of the excavation at depths ranging in depth from 4 to 10 inches bgs. Due to the shallow nature of the excavation, sidewall soil was incorporated into the floor confirmation samples. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 8,698 square feet. A total of approximately 161 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples (SS01 through SS005, SS07, and SS08) were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface. Laboratory analytical results for potholes PH01, PH03, and PH04 indicated all COCs were in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results for pothole PH02 indicated all COCs were in compliance with the Site Closure Criteria at 1-foot bgs, but showed variable chloride concentrations higher than the Strictest Closure Criteria at a depth of 40 feet bgs. Laboratory analytical results for potholes PH01, PH03, and PH04 indicated COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at Depths of 32 feet bgs, 2 feet bgs, and 4 feet bgs, respectively.

Laboratory analytical results for excavation floor soil samples (FS01 through FS23) indicated all COC concentrations were compliant with the Site Closure Criteria at 0.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.



#### **CLOSURE REQUEST**

Site assessment and excavation activities were conducted at the Site to address the November 2023 release of produced water and diesel. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

Following approval of the 2024 Remediation Work Plan by NMOCD, Ensolum re-engaged Ms. Wells regarding the confirmation sampling frequency and Ms. Wells directed Ensolum to include the variance request in this Closure Request. As such, Matador respectfully requests a variance frequency of one five-point composite soil sample every 400 square feet from the floor of the excavation. Impacted soil from the release only extended to 10 inches bgs. The gross impacts from the release were shallow. Based on the areal extent of the on-pad excavation area, the variance request will be equally protective of human health, the environment, and groundwater since depth to ground water is reasonably estimated to be greater than 55 feet bgs, there are no other sensitive receptors in the vicinity of the Site, and waste-containing soil will be adequately addressed at the time of reclamation.

The release is laterally defined by samples SS01 through SS08 and vertically defined by potholes PH01 through PH04. Pothole PH02 shows elevated chlorides corresponding to TPH in samples within the top 6 feet bgs. These concentrations show a downward trend as the depth of the pothole increases until 6 feet bgs where the concentrations increase. The increase and variation of chloride concentrations at depth appear to be indicative of naturally occurring chloride and not as a result of the November 2023 release. Pothole PH02 shows concentrations of TPH in soil at depths of 6 feet, 10 feet, and 13 feet bgs. These TPH concentrations appear to be indicative of impacted soil falling from the near surface back into the pothole during delineation activities. A confining layer of gypsum was observed in PH01 and is anticipated to extend beyond depth, providing a barrier to restrict the potential migration of chloride deeper into the water table.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2333038378.

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

Sincerely, **Ensolum, LLC** 

Ashley Giovengo Senior Scientist

CC: Jason Touchet, Matador Arsenio Jones, Matador Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist



#### Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
Table 2 Soil Sample Analytical Results (Excavation Soil Samples)

Appendix A Referenced Well Records
Appendix B Lithologic / Soil Sampling Logs

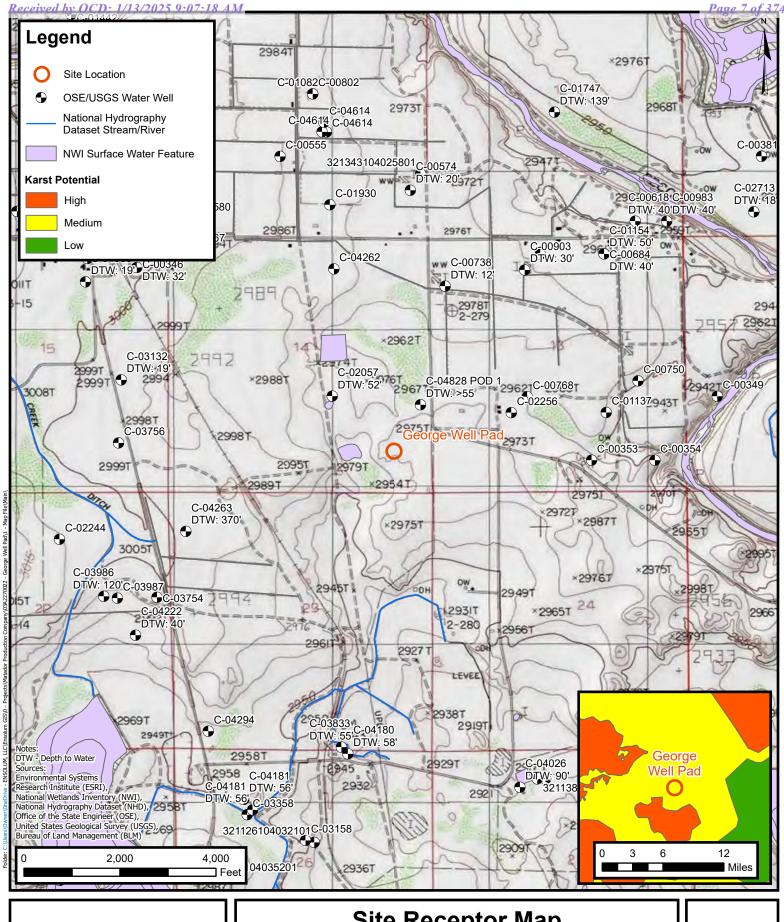
Appendix C Photographic Log

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

Appendix E NMOCD Notifications



**FIGURES** 



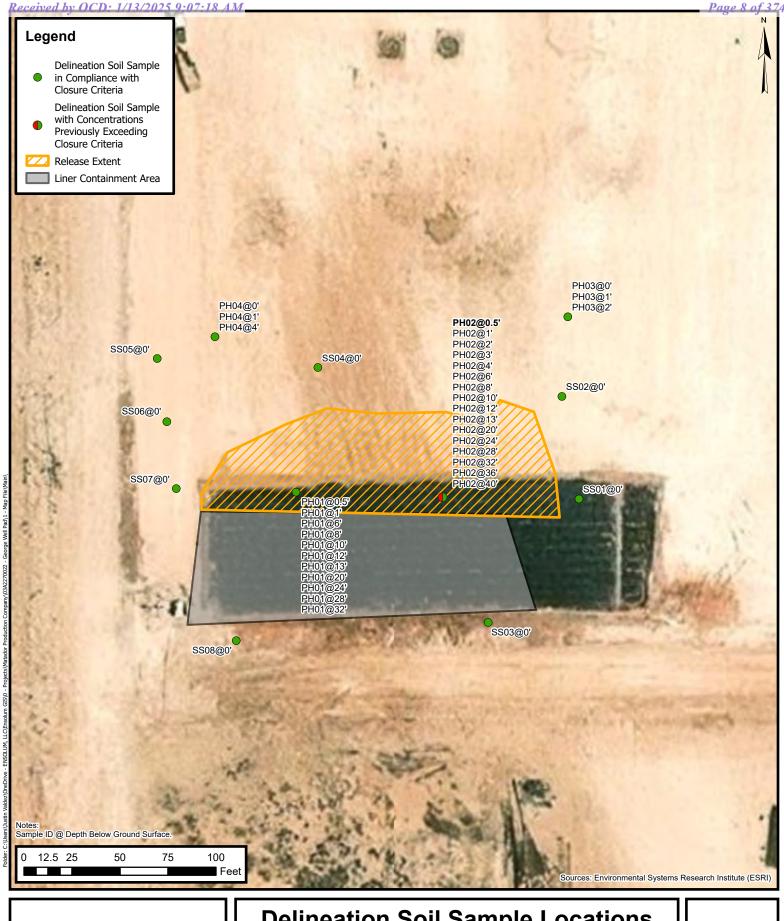


## Site Receptor Map

Matador Production Company George Well Pad Incident Number: nAPP2333038378 Unit P, Section 14, T 24S, R 28E Eddy County, New Mexico

**FIGURE** 

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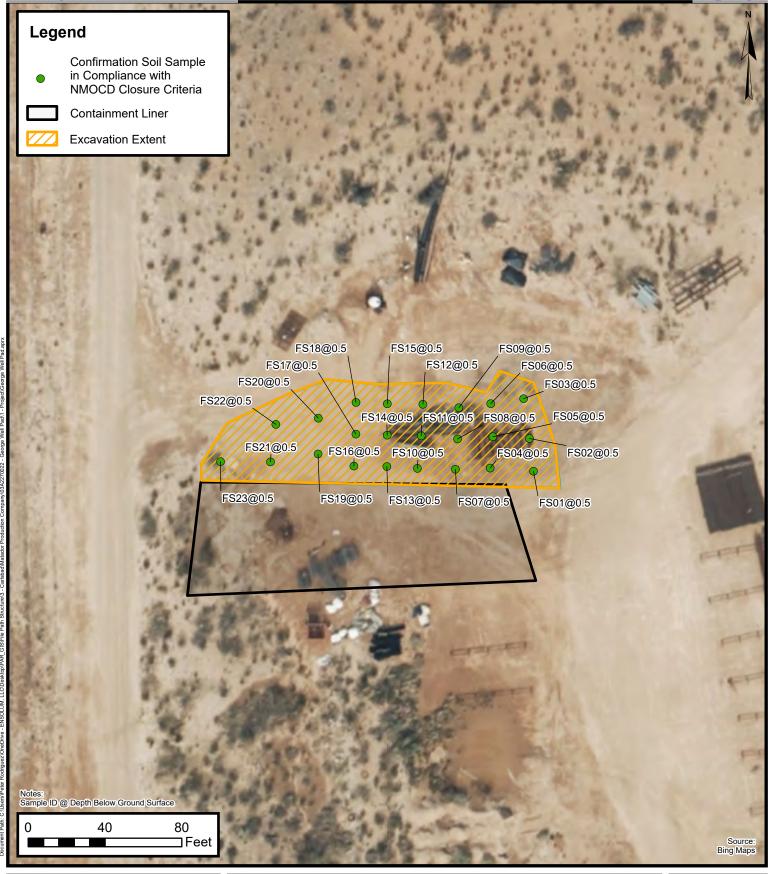


## **Delineation Soil Sample Locations**

Matador Production Company George Well Pad Incident Number: nAPP2333038378 Unit P, Section 14, T 24S, R 28E Eddy County, New Mexico

**FIGURE** 2

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## **Confirmation Soil Sample Locations**

Matador Production Company George Well Pad

Incident Number: nAPP2333038378 Unit P, Section 14, Township 24S, Range 28E Lea County, New Mexico FIGURE 3



**TABLES** 



#### TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS George Well Pad Matador Production Company**

	Eddy County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000				
	Delineation Soil Samples													
SS01	12/5/2023	0	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	183				
SS02	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	391				
SS03	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	610				
SS04	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	634				
SS05	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	248				
SS06	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	3,870				
SS07	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	834				
SS08	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	194				
PH01	12/5/2023	0.5	<0.0250	<0.0250	<20.0	60.6	<50.0	<25.0	60.6	403				
PH01	12/5/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	827				
PH01	10/3/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	2,080				
PH01	10/3/2024	8	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	2,130				
PH01	10/3/2024	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,820				
PH01	10/3/2024	12	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,350				
PH01	10/3/2024	13	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,260				
PH01	12/17/2024	20	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	979				
PH01	12/17/2024	24	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,290				
PH01	12/17/2024	28	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	978				
PH01	12/17/2024	32	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	421				
PH02	12/5/2023	0.5	<0.0250	<0.0250	<20.0	1,210	<50.0	1,210	1,210	1,370				
PH02	12/5/2023	1	<0.0250	<0.0250	<20.0	555	<50.0	555	555	1,230				
PH02	12/5/2023	2	<0.0250	<0.0250	<20.0	168	<50.0	<25.0	168	896				
PH02	12/5/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	572				
PH02	12/5/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	765				
PH02	10/3/2024	6	<0.0250	<0.0250	<20.0	27.5	<50.0	27.5	27.5	5,570				
PH02	10/3/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	6,870				
PH02	10/3/2024	10	<0.0250	<0.0250	<20.0	26.9	<50.0	26.9	26.9	7,000				
PH02	10/3/2024	12	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	4,540				
PH02	10/3/2024	13	<0.0250	<0.0250	<20.0	68.7	57.4	68.7	126.1	5,320				

Page 1



#### TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS**

**George Well Pad Matador Production Company** Eddy County, New Mexico

				Luuy	County, New Me	EXICO				
Sample Designation Date		Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)			GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Delir	eation Soil San	nples				
PH02	12/17/2024	20	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	4,230
PH02	12/17/2024	24	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,660
PH02	12/17/2024	28	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	4,710
PH02	12/17/2024	32	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	5,470
PH02	12/17/2024	36	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	2,900
PH02	12/17/2024	40	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	2,580
PH03	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	381
PH03	12/5/2023	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	442
PH03	12/5/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	454
PH04	12/5/2023	0	<0.0250	<0.0250	<20.0	95.7	<50.0	95.7	95.7	668
PH04	12/5/2023	1	<0.0250	<0.0250	<20.0	99.1	76.0	175.1	175.1	386
PH04	12/5/2023	4	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200

#### Notes:

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated "<": Laboratory Analytical result is less than reporting limit

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

ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

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



#### TABLE 2 **SOIL SAMPLE ANALYTICAL RESULTS**

**George Well Pad Matador Production Company Eddy 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)
		(reer age,	···· <b>9</b> /·· <b>9</b> /	(9,9)	(9,9)	(93)	(9,9)	(99)	(99)	(9,9)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Delin	eation Soil San	nples				
FS01	10/1/2024	0.5	< 0.0250	< 0.0500	<20.0	3,140	5,180	3,140	8,320	258
FS01	10/14/2024	0.5	<0.0250	<0.0500	<20.0	42.0	<50.0	42.0	42.0	287
FS02	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	1,250
FS03	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	4,450
FS04	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	2,330
FS05	10/1/2024	0.5	<0.0250	<0.0500	<20.0	54.9	<50.0	54.9	54.9	4,760
FS06	10/1/2024	0.5	<0.0250	<0.0500	<20.0	54.6	<50.0	54.6	54.6	4,320
FS07	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	4,960
FS08	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	2,090
FS09	10/1/2024	0.5	<0.0250	<0.0500	<20.0	89.5	<50.0	89.5	89.5	3,470
FS10	10/1/2024	0.5	<0.0250	<0.0500	<20.0	25.0	<50.0	25.0	25.0	3,430
FS11	10/1/2024	0.5	<0.0250	<0.0500	<20.0	151	<50.0	151	151	3,000
FS12	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	2,630
FS13	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	1,240
FS14	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	280
FS15	10/2/2024	0.5	<0.0250	<0.0500	<20.0	34.3	<50.0	34.3	34.3	700
FS16	10/2/2024	0.5	<0.0250	<0.0500	<20.0	118	74.3	118	192.3	1,110
FS17	10/3/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	797
FS18	10/3/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	401
FS19	10/3/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	609
FS20	10/3/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	514
FS21	10/3/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	959
FS22	10/3/2024	0.5	<0.0250	<0.0500	<20.0	200	108	200	308	890
FS23	10/3/2024	0.5	<0.0250	0.0897	<20.0	87.5	<50.0	87.5	<25.0	527

#### Notes:

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

\* 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.

<sup>&</sup>quot;<": Laboratory Analytical result is less than reporting limit



**APPENDIX A** 

Well Log and Record



z	OSE POD NO (W	ELL NO	)		WELL TAG ID NO	D		C-04828 PC				
CATIO	WELL OWNER N							PHONE (OPT)	ONAL)			
VELL LO	WELL OWNER N	AILING						CITY Artesia	327 00010			
1. GENERAL AND WELL LOCATION	WELL LOCATION	LAT	DE	EGREES 32	MINUTES 12	SECONDS 56.0	N	The second second second	REQUIRED: ONE TEN	TH OF A SECON	)	
NER	(FROM GPS)		NGITUDE	104	03	00.3	W	1000000	For the state of	IEDE AVAIT ARI	ę.	_
1. G			IG WELL LOCATION TO Cownship 24S, Rang			IN LANDMAKI	S-PL	SS (SECTION, TO	WNSIBIL, KANOL) W			
	LICENSE NO WD118	3	NAME OF LICENSED		hn Scarboroug	gh			NAME OF WELL DR John Sca	ILLING COMPAN arborough Drilli		
	DRILLING STAR 06/10/202		DRILLING ENDED 06/10/2024	DEPTH OF COM	MPLETED WELL (I	FT) BO	RE HO	LE DEPTH (FT) 55'	DEPTH WATER FIR	ST ENCOUNTERS N/A	ED (FT)	
7	COMPLETED W	ELL IS:	ARTESIAN	✓ DRY HOL	E SHALLO	OW (UNCONFI	NED)		STATIC WATER LEV	/EL IN COMPLET N/A	ED WELL (F	T)
TIO	DRILLING FLUI	D:	✓ AIR	MUD	ADDITI	VES - SPECIFY	:					
RMA	DRILLING METI	HOD:	▼ ROTARY	HAMMER	OTHE	R - SPECIFY:						
DRILLING & CASING INFORMATION	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)			CON	ASING NECTION TYPE	CASING INSIDE DIAM. (inches)	CASING W THICKNE (inches)	SS S	LOT
& CAS	0	55	5.00	Soil Boring			ad coup	ling diameter)	•	- 100		٠
LLING										1		
2. DRI												
	DEPTH (fee	t bgl)	BORE HOLE	LIS	T ANNULAR S	SEAL MATE	RIAL	AND	AMOUNT		ETHOD OF	
RIAL	FROM	то	DIAM. (inches)	GRAN	EL PACK SIZI	E-RANGE B'	INT	ERVAL	(cubic feet)	PL	ACEMENT	
RMATE												
. ANNULAR MATERIAL												
3.											3200	
	OSE INTERNA E NO.	L USE			POD N	0		WR-2	NO WELL RECORD	& LOG (Versio	n 04/30/19)	
-	ATION				POD N	U.		WELL TAGE			PAGE 1 OF	: 2

WELL TAG ID NO.

LOCATION

	DEPTH (f	eet bgl)		COLOR AND TYPE O	OF MATERIAL EN	COUNTERED -	WATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARI (attach supplementa			BEARING? (YES / NO)	WATER- BEARING ZONES (gpm)
1	0	10	10	Sand with Gravel, light brow	n to tan, fine to me	dium with some gravel	Y /N	
1	10	20	10	Sand with Gravel, light brow	n to tan, fine to me	dium with some gravel	Y /N	
1	20	30	10	Sand with Gravel, light brow	n to tan, fine to me	dium with some gravel	Y /N	
1	30	40	10	Gypsum with Gravel, Clear with	pink to black inclus	ions, fine to coarse with g	ra Y /N	
1	40	50	10	Gypsum with Gravel, Clear with	pink to black inclus	ions, fine to coarse with tr	ac Y /N	
	50	55	5	Gypsum with Gravel, Clear with	pink to black inclus	ions, fine to coarse with g	a Y /N	
	55	55	0	Gypsum with Gravel, Clear with			-0- (-0-0	
							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
ľ			+				Y N	
							Y N	
1.3							Y N	
1		-	14				Y N	
Н							Y N	
				O OF WATER-BEARING STRAT			FAL ESTIMATED ELL YIELD (gpm):	0.00
	□ PUM WELL TES	TEST	T DESILITS - AT	TACH A COPY OF DATA COLLI	CTED DURING V	/ELL TESTING, INCLUE	ING DISCHARGE M	ETHOD,
EST, NIG SOLERY ISION		NEOUS IN	NFORMATION:					
20.00	PRINT NA	ME(S) OF I	DRILL RIG SUPE	RVISOR(S) THAT PROVIDED O	MOTTE SUPERVIS	ON OF WELL CONSTR	OCTION OTHER TH	AN LICENSE
SIGNATORE	RECORDO	F THE AB	OVE DESCRIBE L ALSO BE FILE Digitally signed by Scot	HAT TO THE BEST OF MY KI D WELL, I ALSO CERTIFY THA D WITH THE PERMIT HOLDER	T THE WELL TAC	, IF REQUIRED, HAS BE	EN INSTALLED AN	D THAT THIS
0.016	Scarboro		Scarborough Date: 2024.06.26.07.04 -06'00'		rough		06/26/2024	
		SIGNA	TURE OF DRILL	ER / PRINT SIGNEE NAME			DATE	
	R OSE INTER	NAL USE		Transaction of the second			RECORD & LOG (Ver	rsion 04/30/201
-	E NO.			POD No	D	TRN NO.		12020000
LO	CATION					WELL TAG ID NO.		PAGE 2 OF



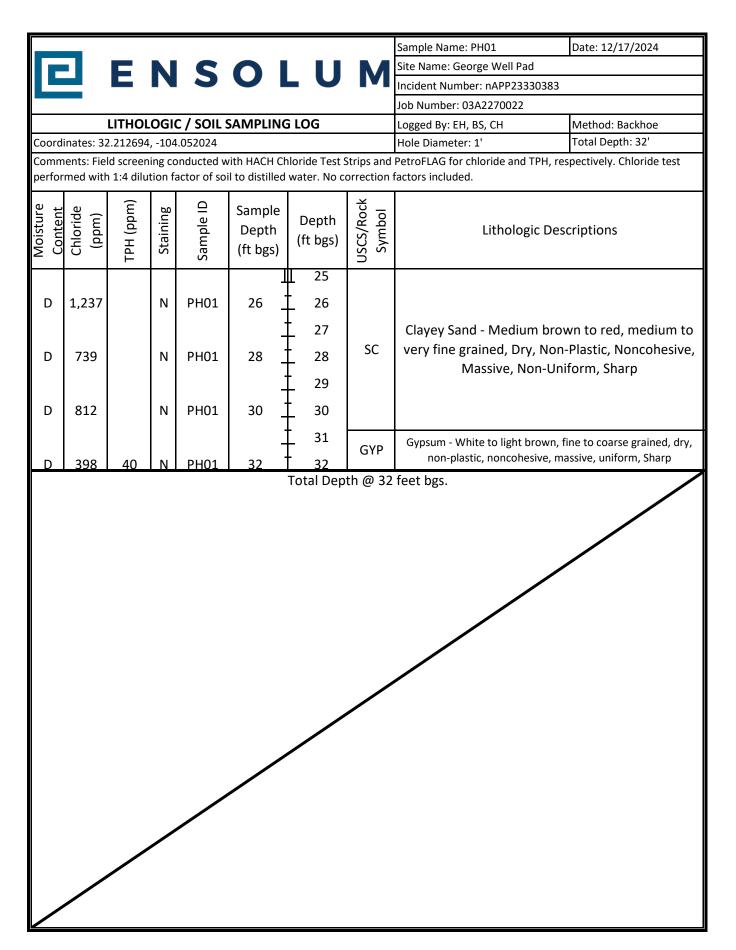
**APPENDIX B** 

Lithologic Soil Sampling Logs

	Sample Name: PH01	Date: 12/17/2024				
<b>ENSOLUM</b>	Site Name: George Well Pad					
E N 3 O L O M	Incident Number: nAPP23330383					
	Job Number: 03A2270022					
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EH, BS, CH	Method: Backhoe				
Coordinates: 32.212694, -104.052024	Hole Diameter: 1'	Total Depth: 32'				
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test						

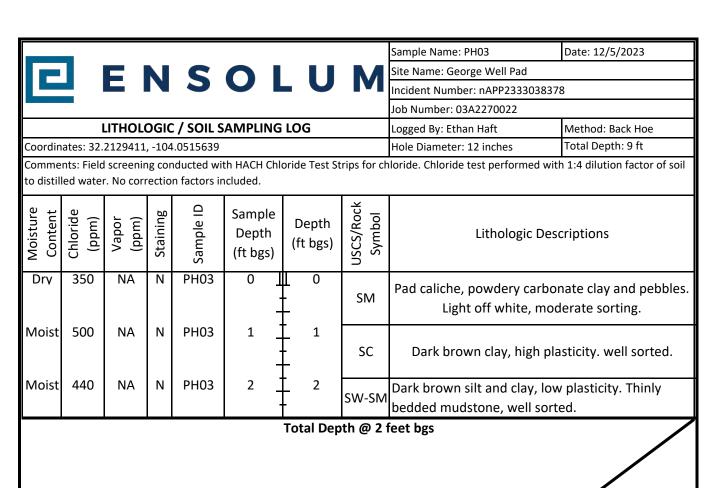
performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

perior	illeu witi	1 1.4 unu	LIOITIA	30101 01 301	i to distilled	water. No co	orrection	actors included.
Moisture Content	Chloride (ppm)	ТРН (ррт)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	235		N	PH01	0.5	0.5	CCHE	Pad caliche, carbonate (limestone) clay and gravel. Light gray and powdery.
D	590		N	PH01	1 _	_ 1	SP-SM	Brown silt and clay, limestone pebbles and gravel.
М	1,300		Ν	PH01	2	2		
М	2,300		Ν	PH01	3 _	3	SW-SC	Dark brown silt and clay, moist, well sorted. Some limestone pebbles.
М	1,025		Ν	PH01	4 _	4		ililiestone pennies.
М	3,427		Ν	PH01	5 _	5		
М	2,587		Ν	PH01	6 _	6		
М	2,772		Ν	PH01	7 _	7		
М	3,186		N	PH01	8 _	8		
М	2,419		Ν	PH01	9 _	9		
М	2,587		Ν	PH01	10	10		
М	1,848		N	PH01	11 _	11		
М	1,388		N	PH01	12	12	CD C14	Moist, No Stain, Red sand with silt and fine gravel,
М	1,293		N	PH01	13	13	SP-SM	No Plasticity, No Pliability
М	1,724		N	PH01	14	14		
М	1,495		N	PH01	15	15		
М	1,848		N	PH01	16	16		
М	1,388		N	PH01	17	17		
М	1,388		N	PH01	18	18		
М	1,607		N	PH01	19 _	19		
М	1,052		N	PH01	20	20		
					_	21		
D	1,142		N	PH01	22	22		Clayey Sand - Medium brown to red, medium to
				-	-	23	SC	very fine grained, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Sharp
D	1.237		N	PH01	24	24		· · ·



			N	6	<u> </u>		<b>B.</b> 4	Sample Name: PH02 Site Name: George Well Pad	Date: 12/17/2024
			N	3	U		IAI	Site Name: George Well Pad Incident Number: nAPP23330	038378
								Job Number: 03A2270022	
		LITHOL	.OGI	C / SOIL S	SAMPLING	LOG		Logged By: EH, BS, CH	Method: Air Rotary
Coord	inates: 32	2.212685	, -104	.051777				Hole Diameter: 3'	Total Depth: 40'
			•				•	PetroFLAG for chloride and Tiffactors included.	ਮ, respectively. Chloride test
Moisture Content	Chloride (ppm)	ТРН (ррт)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	: Descriptions
D	1,870		N	PH02	0.5	0.5		Pad caliche carbonate	(limestone) clay and gravel.
D	1,500		N	PH02	1 _	1	CCHE		nite to tan.
D	1,025		N	PH02	2	2			

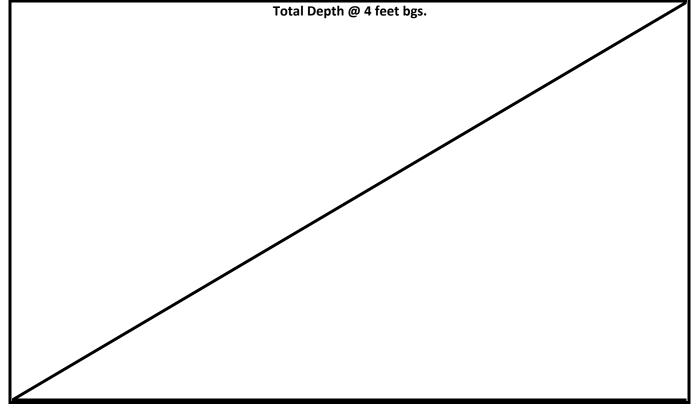
								Comple Name: DLIG2	Data: 12/17/2024	
1	7							Sample Name: PH02 Site Name: George Well Pad	Date: 12/17/2024	
		L	N	5	OI	U	M	Incident Number: nAPP23330383	79	
						Job Number: 03A2270022	76			
		ΙΙΤΗΟΙ	OGIO	· / soll 9	SAMPLING	Logged By: EH, BS, CH Method: Air Rotary				
Coord	inates: 32				JAMI LING			Hole Diameter: 3'	Total Depth: 40'	
Comm	ents: Fie	ld screen	ing co	nducted w			•	PetroFLAG for chloride and TPH, refactors included.	·	
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions	
D	2,049		N	PH02	<u> </u>	<u>25</u> 26	SC	Clayey Sand - Medium brown t grained, Dry, Non-plastic, Noncoh	-	
					- -	27				
D	2,520		N	PH02	28	28		Clayey Sand - Light to med	dium brown Coarse to	
D	3,113		N	PH02	- 30	_ 29 - 30	SC	very fine grained, Dry, Nor	n-plastic, Noncohesive,	
D	3,113		IN	PHUZ	-	_ 30		Massive, Non	n-Uniform	
D	3,113		N	PH02	32	32				
					- -	33				
D	2,520		N	PH02	34 <u> </u>	_ 34 - 35				
D	2,520		N	PH02	36 <u>-</u>	_ 35		Clayey Sand - Medium br	•	
					- -	37	SC	very fine grained, Dry, Nor Massive, Non		
D	1,786		N	PH02	38	38				
D	2.050		N	PH02	40	39 40				
	2.000			11102		Total Dep	th @ 40	feet bgs.		





Comments: Field screening conducted with HACH Chloride Test Strips for chloride. 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
Dry	610	NA	N	PH04	0 <u>l</u>	<u> </u>	SM	Pad caliche, carbonate clay and gravel. Off white and powdery, moderate sorting.
Dry	493	NA	N	PH04	1 _	1	SP-SM	Pad caliche, light to dark brown silt and clay. Limestone gravel, moderate sorting.
Moist	ND	NA	N	PH04	- - -	_ 2 -	SW-SC	Dark brown to reddish clay, high plasticity. Well sorted.
Moist	ND	NA	N	PH04	- - -	3 	SW-SC	Dark brown to reddish clay, high plasticity. Limestone gravel, well sorted.
Moist	ND	NA	Ν	PH04	4 _	4	SW-SC	Dark brown silt and clay, thinly bedded mudstone. Well sorted.





**APPENDIX C** 

Photographic Log



Matador Production Company George Well Pad nAPP2333038378





Photograph 1 Date: 12/05/2023

Description: PH01; Vertical Delineation Sampling

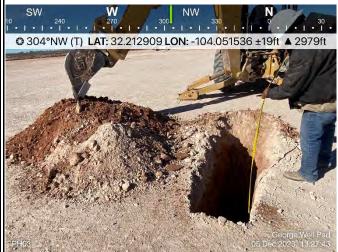
View: North

Photograph 2 Date: 12/05/2023

Description: Release Area

View: East





Photograph 3 Date: 12/05/2023 Description: PH02; Vertical Delineation Sampling

View: Northwest

Photograph 4 Date: 12/05/2023 Description: PH03; Vertical Delineation Sampling

View: Northwest



Matador Production Company George Well Pad nAPP2333038378





Photograph 5 Date: 12/05/2023

**Description: Vertical Delineation Sampling** 

View: North

Photograph 6 Date: 12/05/2023

Description: Vertical Delineation Sampling

View: North





Photograph 7 Date: 12/06/2023

Description: Equipment on location

View: Southwest

Photograph 8 Date: 12/06/2023

Description: Equipment on location

View: East



Matador Production Company George Well Pad nAPP2333038378





Photograph 9 Date: 06/10/2024

Description: Depth to Water Determination

View: East

Photograph 10 Date: 06/10/2024

Description: Depth to Water Determination

View: Southeast





Photograph 11 Date: 06/10/2024

Description: Depth to Water Determination

View: West

Photograph 12 Date: 06/10/2024

Description: Depth to Water Determination

View: Northwest



# Photographic Log Matador Production Company George Well Pad nAPP2333038378





Photograph 13
Description: Excavation

View: North

Date: 10/01/2024

Photograph 14

Description: Excavation View: Southwest

Date: 10/01/2024





Photograph 15

Description: Excavation View: Southeast

Date: 10/01/2024

Photograph 16

Description: Excavation

View: South

Date: 10/01/2024



## Photographic Log tador Production Compar

Matador Production Company George Well Pad nAPP2333038378





Photograph 17
Description: Excavation

View: South

Date: 10/02/2024

Photograph 18

Description: Excavation View: South

Date: 10/02/2024





Photograph 19

Description: Excavation View: Southeast

Date: 10/02/2024

Photograph 20

Description: Excavation View: South

Date: 10/02/2024



#### Photographic Log **Matador Production Company** George Well Pad

nAPP2333038378





Date: 10/03/2024

Photograph 21 Date: 10/03/2024 Photograph 22

Description: PH02 View: Northwest Description: PH02

View: East





Photograph 23 Date: 10/03/2024 Date: 10/03/2024 Photograph 24

Description: Excavation **Description: Excavation** View: West View: Southeast



# Photographic Log Matador Production Company George Well Pad nAPP2333038378





Photograph 25
Description: PH01

View: Northeast

Date: 10/10/2024

Photograph 26
Description: PH01

View: Southeast

Date: 10/10/2024





Photograph 27
Description: PH02

View: Southeast

Date: 10/10/2024

Photograph 28 Description: PH02

View: East

Date: 10/10/2024



Matador Production Company George Well Pad nAPP2333038378





Photograph 25

Description: PH01

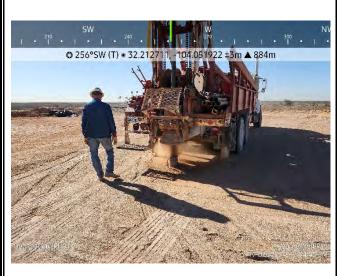
View: Southeast

Date: 10/10/2024

Photograph 26 Description: PH01

View: West

Date: 12/17/2024





Photograph 27

Description: PH01 View: West Date: 12/17/2024

Photograph 28
Description: PH01

View: West

Date: 12/17/2024



## APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





## envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Matador Resources, LLC.

Project Name: George Well Pad

Work Order: E312049

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312049

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

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labadmin@envirotech-inc.com

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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QC - Nonhalogenated Organics by EPA 8015D - GRO	9
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## **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 11:23

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH03-0'	E312049-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH03-1'	E312049-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH03-2'	E312049-03A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

#### PH03-0' E312049-01

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2349098
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0500	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
	96.8 %	70-130	12/08/23	12/12/23	
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2349098
ND	20.0	1	12/08/23	12/12/23	
	88.8 %	70-130	12/08/23	12/12/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2350045
ND	25.0	1	12/13/23	12/15/23	
ND	50.0	1	12/13/23	12/15/23	
	81.3 %	50-200	12/13/23	12/15/23	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2350010
381	20.0	1	12/11/23	12/12/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           88.8 %         mg/kg           MD         25.0           ND         50.0           81.3 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           MB/kg         mg/kg         Anal           ND         20.0         1           88.8 %         70-130         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           81.3 %         50-200           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/08/23           ND         0.0250         1         12/08/23           ND         0.0250         1         12/08/23           ND         0.0500         1         12/08/23           ND         0.0250         1         12/08/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/08/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         12/13/23           ND         50.0         1         12/13/23           ND         50.0         1         12/13/23           81.3 %         50-200         12/13/23           mg/kg         Mg/kg         Analyst: BA	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/08/23         12/12/23           ND         0.0250         1         12/08/23         12/12/23           ND         0.0250         1         12/08/23         12/12/23           ND         0.0500         1         12/08/23         12/12/23           ND         0.0250         1         12/08/23         12/12/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/08/23         12/12/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/08/23         12/12/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         12/13/23         12/15/23           ND         50.0         1         12/13/23         12/15/23           ND         50.0         1         12/13/23         12/15/23           Mg/kg         mg/kg         Analyst: BA



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

#### PH03-1'

#### E312049-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2349098
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
o-Xylene	ND	0.0250	1	12/08/23	12/12/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2349098
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2350045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/15/23	
Surrogate: n-Nonane		81.8 %	50-200	12/13/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2350010
· · · · · · · · · · · · · · · · · · ·	442	100	5	12/11/23	12/13/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

#### PH03-2'

#### E312049-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2349098
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
o-Xylene	ND	0.0250	1	12/08/23	12/12/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2349098
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/15/23	
Surrogate: n-Nonane		80.5 %	50-200	12/13/23	12/15/23	
	mg/kg	mg/kg	Analys	t: BA		Batch: 2350010
Anions by EPA 300.0/9056A	gg	88	,			



p,m-Xylene

Total Xylenes

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2349098-MSD1)

### **QC Summary Data**

George Well Pad Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 12/15/2023 11:23:46AM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2349098-BLK1) Prepared: 12/08/23 Analyzed: 12/12/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.16 8.00 89.4 70-130 LCS (2349098-BS1) Prepared: 12/08/23 Analyzed: 12/12/23 4.77 5.00 95.4 70-130 Benzene 0.0250 Ethylbenzene 5.01 0.0250 5.00 100 70-130 5.09 0.0250 5.00 102 70-130 Toluene 103 o-Xylene 5.16 0.0250 5.00 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 103 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 90.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.26 Matrix Spike (2349098-MS1) Source: E312044-27 Prepared: 12/08/23 Analyzed: 12/12/23 4.69 0.0250 5.00 ND 93.7 54-133 Benzene ND 61-133 Ethylbenzene 4.94 0.0250 5.00 98.9 Toluene 5.01 0.0250 5.00 ND 100 61-130 5.09 ND 102 63-131 5.00 0.0250 o-Xylene

10.0

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

ND

ND

102

87.1

92.8

93.6

95.3

95.8

95.6

91.1

Source: E312044-27

63-131

63-131

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

7.30

6.38

6.74

6.63

6.23

6.36

10.2

15.3

7.33

4.36

4.64

4 68

4.77

9.58

14.3

7.29

0.0500

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250



Prepared: 12/08/23 Analyzed: 12/12/23

20

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Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	·
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go				12/15/2023 11:23:46A
	RO		Analyst: RKS						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349098-BLK1)							Prepared: 1	2/08/23	Analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130			
LCS (2349098-BS2)							Prepared: 1	2/08/23	Analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2349098-MS2)				Source:	E312044-	27	Prepared: 1	2/08/23	Analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	ND	83.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			
Matrix Spike Dup (2349098-MSD2)				Source:	E312044-	27	Prepared: 1	2/08/23	Analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130	1.69	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/2023 11:23:46AM

, ,,=		,			<b>5</b> -				
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350045-BLK1)							Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			
LCS (2350045-BS1)							Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	219	25.0	250		87.7	38-132			
Surrogate: n-Nonane	40.8		50.0		81.6	50-200			
Matrix Spike (2350045-MS1)				Source:	E312048-	03	Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.5	38-132			
Surrogate: n-Nonane	40.2		50.0		80.3	50-200			
Matrix Spike Dup (2350045-MSD1)				Source:	E312048-	03	Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.4	38-132	3.49	20	
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike (2350010-MS1)

Matrix Spike Dup (2350010-MSD1)

Chloride

Chloride

250

252

Prepared: 12/11/23 Analyzed: 12/12/23

Prepared: 12/11/23 Analyzed: 12/12/23

20

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		eorge Well Pa 3052-0001	d				Reported:
Dallas TX, 75240		Project Manager:	A	shley Gioveng	go			12	2/15/2023 11:23:46AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350010-BLK1)							Prepared: 1	2/11/23 An	alyzed: 12/12/23
Chloride	ND	20.0							
LCS (2350010-BS1)							Prepared: 1	2/11/23 An	alyzed: 12/12/23
Chloride	250	20.0	250	·	99.9	90-110		·	

250

250

20.0

20.0

Source: E312047-03

Source: E312047-03

99.9

101

80-120

80-120

0.999

ND

ND

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**

I	Matador Resources, LLC.	Project Name:	George Well Pad	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 11:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



VA SDWA
RCRA
11011
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AZ TX
arks

Client: I	Matador Pro	duction C	Company		Bill To		1	L	ab U	se Or	nly				TA	\T	EPA P	rogram
	George Well				Attention: Matador Production	Company	Lab WC	)#		Job	Nun	nber	1D	2D	3D	Standard	CWA	SDWA
	Manager: As				Address: on file		E312	Or	10	23	55	2-0001				Х		
	: 3122 Natio				City, State, Zip:					Analy	sis a	nd Metho	d					RCRA
1	te, Zip: Carls		88220		Phone: (337)319-8398		by									W.		
Phone:	575-988-005	5			Email: clinton.talley@matadorre	sources.com	ORO				- 1				1 1		State	
Email: a	giovengo@e	nsolum.c	com				30/0	н	0		0.0	1 1	ΣN			NM CO	UT AZ	TX
Report o	due by:						0/0	802	8260	5010	300	1 1			¥	×		100
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	BTEX by 8021	VOC by	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	in a
13:16	12/5/2023	Soil	1		PH03 - 0'	1							х					
13:17	12/5/2023	Soil	1		PH03 - 1'	2							х					
13:20	12/5/2023	Soil	1		PH03 - 2'	3							х					
Addition	al Instructio	ns: Plea	se CC: ck	ourton@ensol	um.com, agiovengo@ensolum.com, c	namilton@e	nsolum.	com,	ehaf	t@er	nsolu	um.com -	sam	ples	kept	on ice		
2.5				ry of this sample. I y be grounds for le	am aware that tampering with or intentionally misla gal action. <u>Sampled by: Ethan Haft</u>	pelling the sampl	e location,									eived on ice the day ess than 6 °C on subs		led or
Relinquishe	ed by: (Signatur dal) ed by: (Signatur	H	Date /2/	7/23 Time 07	Received by: (Signature)	Date Date	Time	30			eivec	d on ice:	Q	ab Us )/ N	e Onl			
Relinquishe	ed by: (Signatur	ell	Date	Time	Reseived by: (Signature)	12-8-7 Date 12-8-1	Time	30	^	T1 AVG	Ten	np °C_	T2 +			<u>T3</u>		
	rix: S - Soil, Sd - Si	olid. Sp - Slu			- Compaging							c, ag - amb	er al-	155 V	- VOA			
A STATE OF THE STA				1010/2 St. Ch 102/2 St. 1	nless other arrangements are made. Hazardon													



e client expense. The report for the analysis of the above

envirotech

envirotech Inc.

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00	Work Order ID:	E312049
Phone:	(972) 371-5200	Date Logged In:	12/08/23	13:31	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	12/18/23	17:00 (6 day TAT)		
Ch -i4	SC4-1- (COC)					
	Custody (COC)		37			
	he sample ID match the COC? he number of samples per sampling site location ma	tch the COC	Yes			
	samples dropped off by client or carrier?	ten the COC	Yes	a		
	the COC complete, i.e., signatures, dates/times, reque	otad analyzaas?	Yes Yes	Carrier: Cour	<u>rier</u>	
	all samples received within holding time?	sted allaryses:	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	165		Comment	ts/Resolution
	Furn Around Time (TAT)  e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	· •		100			
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
• •	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	s, were custody/security seals intact?		No			
			NA			
	ne sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling  visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4 v	<u> </u>			
_	Container equeous VOC samples present?		No			
	/OC samples collected in VOA Vials?		No NA			
	thead space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
		ners conceteur	103			
Field La	field sample labels filled out with the minimum info	rmotion:				
	Sample ID?	offication.	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multiph:	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
	s, does the COC specify which phase(s) is to be analy		NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborato	arv?	No			
	a subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: Na	٨	
		1 30 WHO.	1421	Subcontract Lab. 147	A	
Client I	<u>nstruction</u>					

Date

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

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: George Well Pad

Work Order: E312050

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312050

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

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Lynn Jarboe

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Michelle Golzales

Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutodi
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 13:51

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH04-0'	E312050-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH04-1'	E312050-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH04-4'	E312050-03A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

#### PH04-0' E312050-01

		E312050-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
- Amayor				•	1 11111 ) 224	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2349099
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
o-Xylene	ND	0.0250	1	12/08/23	12/12/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2349099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	95.7	25.0	1	12/12/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/14/23	
Surrogate: n-Nonane		94.2 %	50-200	12/12/23	12/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2350011
Chloride	668	20.0	1	12/11/23	12/12/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

#### PH04-1'

#### E312050-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2349099
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
o-Xylene	ND	0.0250	1	12/08/23	12/12/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RAS		Batch: 2349099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	99.1	25.0	1	12/12/23	12/14/23	
Oil Range Organics (C28-C36)	76.0	50.0	1	12/12/23	12/14/23	
Surrogate: n-Nonane		97.0 %	50-200	12/12/23	12/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2350011
Allions by ETA 300.0/7030A						



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

### PH04-4'

E312050-03												
Reporting												
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes						
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2349099						
Benzene	ND	0.0250	1	12/08/23	12/13/23							
Ethylbenzene	ND	0.0250	1	12/08/23	12/13/23							
Toluene	ND	0.0250	1	12/08/23	12/13/23							
o-Xylene	ND	0.0250	1	12/08/23	12/13/23							
o,m-Xylene	ND	0.0500	1	12/08/23	12/13/23							
Total Xylenes	ND	0.0250	1	12/08/23	12/13/23							
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	12/08/23	12/13/23							
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2349099						
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/13/23							
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	12/08/23	12/13/23							
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350043						
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/14/23							
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/14/23							
Surrogate: n-Nonane		96.4 %	50-200	12/12/23	12/14/23							
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2350011						
Chloride	ND	200	10	12/11/23	12/12/23							



George Well Pad Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 12/15/2023 1:51:44PM **Volatile Organics by EPA 8021B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2349099-BLK1) Prepared: 12/08/23 Analyzed: 12/12/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.78 8.00 97.3 70-130 LCS (2349099-BS1) Prepared: 12/08/23 Analyzed: 12/12/23 4.98 5.00 99.6 70-130 Benzene 0.0250 Ethylbenzene 4.90 0.0250 5.00 98.0 70-130 4.97 0.0250 5.00 99.3 70-130 Toluene o-Xylene 4.95 0.0250 5.00 99.0 70-130 10.0 10.0 100 70-130 0.0500 p.m-Xvlene 99.7 70-130 15.0 15.0 Total Xylenes 0.0250 8.00 96.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.74 Matrix Spike (2349099-MS1) Source: E312047-07 Prepared: 12/08/23 Analyzed: 12/12/23 5.13 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 5.02 0.0250 5.00 100 Toluene 5.10 0.0250 5.00 ND 102 61-130 ND 102 63-131 5.10 5.00 0.0250 o-Xylene p,m-Xylene 10.3 0.0500 10.0 ND 103 63-131 15.4 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.71 8.00 Matrix Spike Dup (2349099-MSD1) Source: E312047-07 Prepared: 12/08/23 Analyzed: 12/12/23 5.57 0.0250 5.00 ND 111 54-133 8.23 20

ND

ND

ND

ND

ND

110

111

111

112

111

97.8

5.00

5.00

5.00

10.0

15.0

8.00

5.48

5 55

5.53

11.2

16.7

7.82

0.0250

0.0250

0.0250

0.0500

0.0250

61-133

61-130

63-131

63-131

63-131

70-130

8.78

8 42

8.08

8.63

8.44

20

20

20

20

20



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			12	/15/2023 1:51:44PM	
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO		Analyst: RAS		
Analyte	Result mg/kg	Reporting Limit	Spike Level	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes	
Blank (2349099-BLK1)							Prepared: 1	2/08/23 Ana	lyzed: 12/12/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	70-130				
LCS (2349099-BS2)							Prepared: 1	2/08/23 Ana	lyzed: 12/12/23	
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130				
Matrix Spike (2349099-MS2)				Source:	E312047-	07	Prepared: 1	2/08/23 Ana	lyzed: 12/12/23	
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.8	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.2	70-130				
Matrix Spike Dup (2349099-MSD2)				Source:	E312047-	07	Prepared: 1	2/08/23 Ana	lyzed: 12/12/23	
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.7	70-130	11.7	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.1	70-130				

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

Dallas 1X, /5240		Project Manage	r: As	sniey Gioveng	go				12/15/2023 1:51:44PF
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350043-BLK1)							Prepared: 1	2/12/23	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.1	50-200			
LCS (2350043-BS1)							Prepared: 1	2/12/23	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			
Matrix Spike (2350043-MS1)				Source:	E312063-	02	Prepared: 1	2/12/23	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			
Matrix Spike Dup (2350043-MSD1)				Source:	E312063-	02	Prepared: 1	2/12/23	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	6.93	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



Matrix Spike (2350011-MS1)

Matrix Spike Dup (2350011-MSD1)

Chloride

Chloride

353

359

Prepared: 12/11/23 Analyzed: 12/12/23

Prepared: 12/11/23 Analyzed: 12/12/23

20

M5

M5

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		eorge Well Pa 3052-0001	d				Reported:
Dallas TX, 75240		Project Manager		shley Gioveng	go			1	2/15/2023 1:51:44PM
		Anions	by EPA 3	300.0/90 <b>5</b> 6 <i>A</i>	4				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
Blank (2350011-BLK1)							Prepared: 1	2/11/23 Ar	nalyzed: 12/12/23
Chloride	ND	20.0							
LCS (2350011-BS1)							Prepared: 1	2/11/23 Ar	nalyzed: 12/12/23
Chloride	245	20.0	250		98.1	90-110	·		

250

250

200

200

Source: E312050-03

Source: E312050-03

141

144

80-120

80-120

1.64

ND

ND

#### 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:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 13:51

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated 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.



PA	r	ogra	m	7	
WA	1	_	WA		
	1	RC	RA		
ate	_			+	
Az	-	TX			
mark	s				

Client:	Matador Pro	duction C	Company			Bill To				La	b Us	se Or	nly					TAT		EPA P	rogram
Project:	George Well	Pad			At	tention: Matador Production (	Company	Lab	WO#	1		Job			10	2D	3D	St	andard	CWA	SDWA
Project	Manager: As	hley Giov	rengo		Ac	ldress: on file		E3	3120	05	0	23	05	2-000	1				X		
Address	: 3122 Natio	nal Parks	Hwy		Cit	cy, State, Zip:						Anal	ysis a	nd Metho	d						RCRA
City, Sta	te, Zip: Carls	bad NM,	88220		Ph	one: (337)319-8398			by							1111		4			
Phone:	575-988-005	5			En	nail: clinton.talley@matadorre	sources.con		ORO RO						1					State	
Email: a	agiovengo@e	nsolum.	com						30/0	-1	-		0.0		NAM				NM CO	UT AZ	TX
Report o	due by:								JQ/C	802	8260	0100	300				¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
14:42	12/5/2023	Soil	1			PH04 - 0'	1								,						
14:45	12/5/2023	Soil	1			PH04 - 1'	2								,	(					
14:49	12/5/2023	Soil	1			PH04 - 4'	3								,	(					
Addition	al Instruction	ns: Plea	se CC: cl	urton@enso	lum.com	n, agiovengo@ensolum.com, ch	namilton@e	nso	lum.c	om, e	ehaf	t@e	nsol	um.com -	- sa	mples	kep	t on i	ce		
				y of this sample. If y be grounds for le		that tampering with or intentionally mislab Sampled by: Ethan Haft	elling the samp	le loca	ition,			1							on ice the day an 6 °C on subs		oled or
Relinquish	ed by: (Signatur Left ed by: (Signatur		Date Date	7/23 07 Time	700	Received by: (Signatura)  Willer Cough  Received by: (Signature)	Date 12-72 Date		Time	30		Rec	eive	d on ice:		Lab L	lse O N	nly			
Relinguishe	ed by: (Signatur	e)	Date	723 Time	130	Received by: (Signature)	12 · 8	23	Time	700	>	<u>T1</u>	-		T2	-			<u>T3</u>		
Indres	The second second second		12	.8.23 1	300	aliand	12.8.			300				np °C	4				- Inc		
Sample Mat	rix: S - Soil, Sd - Se					, ( ,								c, ag - aml							
						er arrangements are made. Hazardou h this COC. The liability of the laborate									lient	expen	se. Ti	he rep	ort for the	analysis of	the above



or disposed of at the client expense. The report for the analysis of the above on the report.

Con the report.

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Printed: 12/11/2023 12:33:32PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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?  19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  Sample Preservation	Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00		Work Order ID:	E312050
Email: agiovegoi@emolam.com   Due Date: 12/15/23 17/80 (5 day TAT)    Chain of Custody (COC)    1. Does the sample ID match the COC?    2. Does the number of samples per sampling site location match the COC    3. Were samples dropped off by client or carrier?   Yes    5. Were all samples received within holding time?   Yes    5. Were all samples received within holding time?   Yes    5. Were all samples received within holding time?   Yes    5. Were all samples received misses were notectaded in the field, test if misses had time, seven totaled in this disacustor.  Sample Tour Acromal Time (TAT)   Yes    5. By the sample cooler received?   Yes    7. What a sample cooler received in good condition?   Yes    8. Were were custody/security seals intenet?   Yes    10. Hy they ware consequently seals intenet?   Yes    11. Hy ex, were constody/security seals intenet?   Yes    12. We white sample reviewd on itself. Yes, the exceeded using in 4°C, i.e., 6°12°C    Note: Thermal proservation is not required, if samples are received will is minutes of samples present?   No    13. Han wishle ice, record the temperature. Actual sample temperature: 4°C    8. Are non-VOC samples potecant?   No    14. Are agreeous VOC samples potecant?   No    15. Are VOC samples collected in VOA visile?   No    16. Are VOC samples collected in VOA visile?   Yes    17. What is right hat (Tip) included for VOC analyses?   No    18. Are non-VOC samples collected in the convex containent?   Yes    19. It has propriets to get a surface of samples outsimes callected?   Yes    19. It has propriets of the samples were preserved?   Yes    19. It has propriets when we wish the minimum information:   Yes    19. It has propriets to get a surface of samples were preserved?   Yes    10. Does the complete for the samples were preserved?   Yes    10. Does the complete and offer expensed for dissolved metals?   Yes    10. Does the complete and the samples were preserved?   Yes    10. Does the complete and the samples were preserved?   Yes    10. Does the compl		(972) 371-5200	Date Logged In:	12/08/23	13:38		Logged In By:	Alexa Michaels
L. Does the number of amplies per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates vines, requested analyses? 5. Were all samples received within bolding time? 6. Were all samples received within bolding time? 6. Did the COC indicate standard TAT, or Expedited IAT? 6. Did the COC indicate standard TAT, or Expedited IAT? 6. Did the COC indicate standard TAT, or Expedited IAT? 6. Were causedy/seconity each good condition? 7. Was a sample cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Wis the sample's persent? 10. Were coustody/security seals present? 11. If yes, were condity/security seals present? 12. Was the sample received in its of the present of t							Logged in Dy.	THOME PHONEOUS
L. Doos the number of samples (Drostach the COC? 3. Were samples dropped off by client or eartier? 4. Was the COC complete, i.e. signatures, dense vines, requested analyses? 5. Were all samples received within holding time? 6. Were all samples received within holding time? 6. Were all samples received within holding time? 6. If yes, was constructed in the field, i.e., 15 minute hold time, are not included in this dissession.  Samule Tura Around Time CAD 6. Did the COC indicate standard TxT, or Expedited TxT?  6. If yes, was conder received in good condition? 7. Was a sample coder received in good condition? 8. If yes, was conder received in good condition? 9. Were controlly-received intact, i.e., not broken? 9. Were testingly-received intact; i.e., not broken? 9. No 11. If yes, were unabody-received intact; i.e., not broken? 9. No 12. Were field and year less than 6-8 man (pea sized or less)? 13. Are non-VOC samples collected in VOA Vials? 14. Are amount VOC samples collected in VOA Vials? 15. Are NoVOC samples collected in VOA Vials? 16. Is the head space less than 6-8 man (pea sized or less)? 17. Was as in planta (Ti) included for VOC analyses? 18. Are non-VOC samples collected in VOA Vials? 19. Is the proporties volume-weight or number of sample containers collected? 19. If yes, does hot volume-weight or number of sample containers collected? 19. One of the collected? 19. One of the collected? 19. One of the collected in VOA vials? 20. Were field labels indicate the samples were preserved? 21. Toes the sample sequence to get sent to a subco								
2. Does the number of samples per sampling sits location match the COC 3. Wees analysis dropped offly disclored or carrier? 4. Was the COC complete, i.e., signatures, datacettimes, requested analyses? 5. Were all samples received within holding time? 6. Did the COC undicate standard TAT; or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 7. Was a sample cooler received in good condition? 7. Was a sample cooler received in season (a.e., to, not hoster? 8. Were the sample(s) received in season (a.e., to, not hoster? 9. Was the sample(s) received in season (a.e., not hoster? 9. Was the sample(s) received in season (a.e., to, not hoster? 9. Was the sample(s) received in season (a.e., not hoster? 9. Was the sample(s) received in season (a.e., not hoster? 9. Was the sample(s) received in season (a.e., not hoster? 9. Was the sample(s) received in season (a.e., not hoster? 9. Was the sample(s) received in season (a.e., not hoster? 9. Was the sample(s) received in season (a.e., not hoster? 9. Was the sample(seat) season (a.e.,								
3. Were samples dropped of the client or carrier?  4. Wes the COC complete, i.e. signatures, dates times, requested analyses?  5. Were all samples received within holding since?  5. Were all samples received within holding since?  5. Were all samples and a spif which sould be conducted in the folds.  1. 15 minute hold strea, zero not included in this dissuession.  Sample Cooler.  7. Wes  8. Tyses, was cooler received in good condition?  9. Wes as sample cooler received in good condition?  9. Wes the sample's received instant, i.e., not broken?  10. Were custody/security seals present?  10. Were custody/security seals present?  11. If yes, were custody/security seals present?  12. Was the sample received on itse? Tyse, the socodad loop is 4°C, i.e., 6°1.2°C  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  14. Are algueous VOC samples collected in VOA Visib?  15. Are VOC samples collected in VOA Visib?  16. Is the head space less than 6-8 mm (pea sized or less)?  16. Are word in (18) included for VOC analyses?  17. Was a rip blank (18) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the supporpriate volume/weight or number of sample containers collected?  19. Is the supporpriate volume/weight or number of sample containers collected?  19. It is the field sample labels filled out with the minimum information:  19. Sample Container.  19. It is the support of the volume weight or number of sample containers collected?  19. Ves  19. Sample Container.  19. Sample Co			l. 4 COC					
4. West file COC complete, i.e., signatures, datestimes, requested analyses?  5. Were all amplies review of within bolding time?  Note: Analysis and he spif which shoulds be conducted in the field, i.e. is filmulated but the are not included in this discussion.  Sample Tran Around Time (TAT)  6. Did the COC indicate standard TAT, or Expedited TAT?  Yes  Sample Cooler  7. Was a sample cooler received in good condition?  9. Was the sample for insect, i.e., not hoston?  10. Were custody/security seals instact?  10. Were custody/security seals instact?  11. Hyse, were custody/security seals instact?  12. Was the sample received in its pis seals instact?  12. Was the sample received on its Tipse, the roorded turp is 4°C, i.e., 6°42°C.  Note: Thermal preservation is not required, if samples are received w? 15 minutes of sampling.  13. If no visible ice, record the temperature. Actual sample temperature: 4°C sample for received in VA Nation.  14. Are aquecous VOC samples reclered in VOA Vials?  15. Are VOC samples collected in VOA Vials?  16. If he has day sacce less than 6.8 min (gas sized or less)?  17. Was a rai piblanic (TB) included for VOC analyses?  18. An non-VOC samples collected in NOA Vials?  19. In the appropriate volume/weight or number of sample containers?  19. In the appropriate volume/weight or number of sample containers?  19. In the appropriate volume/weight or number of sample containers?  19. In the appropriate volume/weight or number of sample containers?  19. In the appropriate volume/weight or number of sample containers?  19. In the proportion of the labels indicate the samples were preserved?  10. Analysis of the samples were the none of the samples were preserved?  10. Analysis of the samples were the none of the samples were preserved?  10. Analysis of the samples are preserved?  10. Analysis of the samples are preserved?  10. Analysis of the sample and the samples were preserved?  10. Analysis of the sample and the samples were preserved?  10. Analysis of the samples are preserved?  10. An			n the COC					
5. Wee all samples received within holding time? Note A relaysis, such any life which should be conducted in the field, i.e., 15 minute hold time, are not included in this disussion.  Sample Turn A round Time (TAD)  6. Did the COC indicate standard TAT, or Expedited TAT?  7. Was a sample cooler received?  7. Was a sample cooler received in good condition?  8. If yes, was cooler received in good condition?  9. Was the sample's preceived in good condition?  10. Ware caustody/security seals present?  10. Ware caustody/security seals present?  11. If yes, were caustody/security seals present?  12. Was the sample travelor on ite? If yes, the recorded turn in 4°C, i.e., 6°L2°C Note Themal preservation is not required, if samples are received wii 15 minutes of sampling  13. If no visible ice, received the temperature. Actual sample temperature: 4°C  Sample Condition?  14. Are agnoous VOC samples collected in VOA Valis?  16. Is the head space less than 6-8 mm (pra sized or less)?  17. Was a fir blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information:  Sample DO Collectors name?  19. Is a sample were preserved?  19. And Samples over the labels indicate the samples were preserved?  20. Were field sample have more than one plase, i.e., multiphase?  21. Does the COC or field labels indicate the samples were preserved?  22. Are samples; ourcedly preserved?  23. Res samples; exquired to get sent to a subcontract laboratory?  24. Are samples required to get sent to a subcontract laboratory?  25. Was a subcontract Laboratory specified by the client and if so who?  26. Was a subcontract Laboratory specified by the client and if so who?					Carrier: C	Courier_		
Note: Analysis, such as pff which sfould be conducted in the fioles, is, 15 minus bed ditura, are not related in this diseases.  Sample Turn Around Time (TAT) 6. Did the COC indicates standard TAT, or Expedited TAT?  ***Sample Cooler** 7'es 8. If yes, was cooler received? 9. Was the sample(so) received in good condition? 9. Was the sample(so) received in good condition? 9. Was the sample(so) received in first, i.e., not broken? 10. Were custody/security seals intace? 11. Was a custody/security seals intace? 12. Was the sample received on fee? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wil 15 minutes of sampling 13. If no visible ic, record the temperature. Actual sample temperature: 4°C **Sample Constainer* 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 min (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the supportation volume/weight or number of sample containers collected? 19. Is the supportation volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Loes the COC or field labels indicate the samples were preserved? 23. Are sample(a) correctly preserved for dissolved metals? 24. Is lab filteration required and/or requested for dissolved metals? 25. Are sample favored by preserved for dissolved metals? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which plass(s) is to be analyzed? 28. Are sample required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory.		-	ed analyses?					
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20. Were field sample labels filled out with the minimum information: Sample ID? 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? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who? Client Instruction  Yes  Yes  No  No  No  Subcontract Lab: NA  Client Instruction	19. Is the	appropriate volume/weight or number of sample containe	rs collected?	Yes				
Sample ID? Date/Time Collected? Yes Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? Als lab filteration required and/or requested for dissolved metals?  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?  Client Instruction  Yes  No  No  Subcontract Lab: NA  Client Instruction	Field La	<u>bel</u>						
Date/Time Collected? Collectors name? Yes  Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No 24. Is lab filteration required and/or requested for dissolved metals? No  Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA  Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who?  Client Instruction	20. Were	field sample labels filled out with the minimum inform	mation:					
Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  No  22. Are sample(s) correctly preserved?  As la bifliteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  71. If yes, does the COC specify which phase(s) is to be analyzed?  No  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?  Client Instruction  Subcontract Lab: NA		*		Yes				
Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  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				Yes				
21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  25. Does the sample have more than one phase, i.e., multiphase?  No  71. If yes, does the COC specify which phase(s) is to be analyzed?  82. Are samples required to get sent to a subcontract laboratory?  83. Are samples required to get sent to a subcontract laboratory?  84. Subcontract Laboratory specified by the client and if so who?  NA  Subcontract Lab: NA  Client Instruction				Yes				
22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  NO  29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: NA  Client Instruction								
24. Is lab filteration required and/or requested for dissolved metals?  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?  Client Instruction  No  Subcontract Lab: NA		• • •	served?					
Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  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  NA  Subcontract Lab: NA  Client Instruction				NA				
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?  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?  Client Instruction  No  Subcontract Lab: NA  Client Instruction	24. Is lat	filteration required and/or requested for dissolved me	tals?	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?  Client Instruction  NA  Subcontract Lab: NA  Client Instruction	<u>Multiph</u>	ase Sample Matrix						
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?  Client Instruction  No  Subcontract Lab: NA	26. Does	the sample have more than one phase, i.e., multiphase	?	No				
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?  Client Instruction  No  NA Subcontract Lab: NA	27. If ye	s, does the COC specify which phase(s) is to be analyz	ed?	NA				
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?  Client Instruction  No  NA Subcontract Lab: NA	Subcont	ract I aboratory						
29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: NA  Client Instruction			9	No				
					Subcontract Lab	: NA		
	Client I	nstruction						

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: George Well Pad

Work Order: E312053

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312053

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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Laboratory Administrator Office: 505-632-1881

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## Sample Summary

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 16:29

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH01-0.5'	E312053-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH01-1'	E312053-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

#### PH01-0.5' E312053-01

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2350004
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0500	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
	94.0 %	70-130	12/11/23	12/14/23	
mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2350004
ND	20.0	1	12/11/23	12/14/23	
	87.0 %	70-130	12/11/23	12/14/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2350045
60.6	25.0	1	12/13/23	12/15/23	
ND	50.0	1	12/13/23	12/15/23	
	84.1 %	50-200	12/13/23	12/15/23	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2350035
403	20.0	1	12/12/23	12/15/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 60.6 ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           87.0 %         mg/kg           mg/kg         mg/kg           60.6         25.0           ND         50.0           84.1 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           94.0 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           87.0 %         70-130         1           mg/kg         mg/kg         Anal           60.6         25.0         1           ND         50.0         1           84.1 %         50-200           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RAS           ND         0.0250         1         12/11/23           ND         0.0250         1         12/11/23           ND         0.0250         1         12/11/23           ND         0.0500         1         12/11/23           ND         0.0500         1         12/11/23           ND         0.0250         1         12/11/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23           87.0 %         70-130         12/11/23           mg/kg         mg/kg         Analyst: KM           60.6         25.0         1         12/13/23           ND         50.0         1         12/13/23           84.1 %         50-200         12/13/23           mg/kg         mg/kg         Analyst: BA	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RAS           ND         0.0250         1         12/11/23         12/14/23           ND         0.0250         1         12/11/23         12/14/23           ND         0.0250         1         12/11/23         12/14/23           ND         0.0500         1         12/11/23         12/14/23           ND         0.0250         1         12/11/23         12/14/23           ND         0.0250         1         12/11/23         12/14/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23         12/14/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23         12/14/23           mg/kg         mg/kg         Analyst: KM           60.6         25.0         1         12/13/23         12/15/23           ND         50.0         1         12/13/23         12/15/23           Mg/kg         mg/kg         Analyst: BA



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

#### PH01-1'

#### E312053-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/15/23	
Surrogate: n-Nonane		84.8 %	50-200	12/13/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2350035
11110115 8 / 121110001017 00011						



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Matrix Spike Dup (2350004-MSD1)

7.63

4.74

4.57

4 74

4.67

9.44

14.1

7.61

### **QC Summary Data**

George Well Pad Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 12/15/2023 4:29:34PM **Volatile Organics by EPA 8021B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2350004-BLK1) Prepared: 12/11/23 Analyzed: 12/14/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 95.2 70-130 LCS (2350004-BS1) Prepared: 12/11/23 Analyzed: 12/14/23 4.84 96.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.66 0.0250 5.00 93.3 70-130 4.84 0.0250 5.00 96.9 70-130 Toluene 4.78 o-Xylene 0.0250 5.00 95.6 70-130 9.65 10.0 96.5 70-130 0.0500 p.m-Xvlene 96.2 70-130 14.4 15.0 Total Xylenes 0.0250 8.00 95.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.62 Matrix Spike (2350004-MS1) Source: E312053-02 Prepared: 12/11/23 Analyzed: 12/14/23 4.85 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.68 0.0250 5.00 93.6 Toluene 4.86 0.0250 5.00 ND 97.1 61-130 4.79 ND 95.8 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.68 0.0500 10.0 ND 96.8 63-131 0.0250 15.0 ND 63-131 Total Xylenes

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

2.29

2.41

2 32

2.55

2.47

2.50

Source: E312053-02

94.7

91.4

949

93.4

94.4

94.1

95.1

ND

ND

ND

ND

ND

ND

Prepared: 12/11/23 Analyzed: 12/14/23

20

20

20

20

20

20

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go				12/15/2023 4:29:34PN
	Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350004-BLK1)							Prepared:	12/11/23	Analyzed: 12/14/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.7	70-130			
LCS (2350004-BS2)							Prepared:	12/11/23	Analyzed: 12/14/23
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			
Matrix Spike (2350004-MS2)				Source:	E312053-	02	Prepared:	12/11/23	Analyzed: 12/14/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	70-130			
Matrix Spike Dup (2350004-MSD2)				Source:	E312053-	02	Prepared:	12/11/23	Analyzed: 12/14/23
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130	2.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		88.9	70-130			

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

Dallas 1X, /5240		Project Manager	r: As	niey Gioveng	go				12/15/2023 4:29:34PF
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350045-BLK1)							Prepared: 1	2/13/23 A	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	42.2		50.0		84.4	50-200			
LCS (2350045-BS1)							Prepared: 1	2/13/23 A	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	219	25.0	250		87.7	38-132			
urrogate: n-Nonane	40.8		50.0		81.6	50-200			
Matrix Spike (2350045-MS1)				Source:	E312048-0	03	Prepared: 1	2/13/23 A	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.5	38-132			
urrogate: n-Nonane	40.2		50.0		80.3	50-200			
Matrix Spike Dup (2350045-MSD1)				Source:	E312048-0	03	Prepared: 1	2/13/23 A	Analyzed: 12/14/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.4	38-132	3.49	20	
urrogate: n-Nonane	42.6		50.0		85.1	50-200			

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	George Well Pad 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

Anions by EPA 300.0/9056A									Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350035-BLK1)							Prepared: 1	2/12/23 A	nalyzed: 12/14/23
Chloride	ND	20.0							
LCS (2350035-BS1)							Prepared: 1	2/12/23 A	nalyzed: 12/14/23
Chloride	242	20.0	250		96.7	90-110			
Matrix Spike (2350035-MS1)				Source:	E312048-	02	Prepared: 1	2/12/23 A	nalyzed: 12/14/23
Chloride	730	20.0	250	458	109	80-120			
Matrix Spike Dup (2350035-MSD1)				Source:	E312048-	02	Prepared: 1	2/12/23 A	nalyzed: 12/14/23
Chloride	732	20.0	250	458	110	80-120	0.360	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**

Γ	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 16:29

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.



Project: George Well Pad

Client: Matador Production Company

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

City, State, Zip: Carlsbad NM, 88220

Lab WO#

E312053

Lab Use Only

Job Number

23052-000

Analysis and Method

Bill To

Attention: Matador Production Company

Address: on file

City, State, Zip:

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.

Phone: (337)319-8398

**SDWA** 

**RCRA** 

**EPA Program** 

CWA

TAT

3D Standard

1D 2D

က
of J
12
age

	5/5-988-005				Email: clinton.talley@matac	dorresources.	com	OR								State
	giovengo@e	nsolum.	com					RO/	21	0		300.0		N N	×	NM CO UT AZ TX
Report d	ue by:							0/0	/ 80	826	6010	e 30				×
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		La Num		TPH GRO/DRO/OR 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		Belloc	GDOC	Remarks
8:45	12/5/2023	Soil	1		PH01 - 0.5'	1								ĸ		
8:47	12/5/2023	Soil	1		PH01 - 1'	2								к		
									4							
														+		
														-		
			_					$\Box$						1		
ldition	al Instruction	ns: Plea	se CC: ck	ourton@ensolum	.com, agiovengo@ensolum.co	om, chamilton	@enso	lum.co	om, e	ehaft	@en	solum.co	m - sa	mples	kept o	n ice
				y of this sample. I am a	ware that tampering with or intentionally		ample loc	ation,								ived on ice the day they are sampled or s than 6 $^{\circ}$ C on subsequent days.
Alle	ed by: (Signature	4	Date 12/	7/23 Time 0700		Date D-	1.23	Time	30		Recei	ved on ic	ce: (	Lab L	Jse Only N	
Mid	ed by: (Signatur	1			Received by: (Signature)	Date 12.	3.13	Time	700		T1		T2			<u>T3</u>
Anheu	d by: (Signatur	e)	Date 12	·8·23 130	Received by: (Signature)	Date	8.23	Time	500	1	AVG	Temp °C_	4			
nple Matr	ix: <b>S</b> - Soil, <b>Sd</b> - So		as or a contract	DOS DOS TRANSPORTER	_ ( ( )					<b>p</b> - pc	oly/pla	astic, ag -	amber			
e: Samp	les are discarde	ed 30 days	after resul	ts are reported unles	s other arrangements are made. Haz	zardous samples	will be r	eturned	to clie	ent or	dispo	sed of at th	ne client	expen	se. The r	report for the analysis of the ab



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Printed: 12/11/2023 12:49:24PM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00		Work Order ID:	E312053
Phone:	(972) 371-5200	Date Logged In:	12/08/23	14:03		Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (5 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mate	h the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comments	s/Resolution
Sample 7	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>				
_	<u>Container</u>						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	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 n	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field Lal	<u>bel</u>						
	field sample labels filled out with the minimum infor	mation:	**				
	ample ID?		Yes				
	nate/Time Collected? collectors name?		Yes				
	Preservation		Yes				
	the COC or field labels indicate the samples were pre	eserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
	ase Sample Matrix						
_	the sample have more than one phase, i.e., multiphase	a?	Nie				
	, does the COC specify which phase(s) is to be analyzed		No				
		Ecu:	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator		No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client I	<u>nstruction</u>						
							1

Date

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

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: George Well Pad

Work Order: E312055

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312055

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

een: //3 20/ 1/02

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## Sample Summary

Matador Resources, LLC.	Project Name:	George Well Pad	Denouted
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 15:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E312055-01A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS02-0'	E312055-02A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS03-0'	E312055-03A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS04-0'	E312055-04A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS05-0'	E312055-05A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS06-0'	E312055-06A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS07-0'	E312055-07A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS08-0'	E312055-08A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

## SS01-0' E312055-01

	E312035-01				
Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
ND	0.0250	1	12/11/23	12/15/23	
ND	0.0250	1	12/11/23	12/15/23	
ND	0.0250	1	12/11/23	12/15/23	
ND	0.0250	1	12/11/23	12/15/23	
ND	0.0500	1	12/11/23	12/15/23	
ND	0.0250	1	12/11/23	12/15/23	
	91.1 %	70-130	12/11/23	12/15/23	
mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
ND	20.0	1	12/11/23	12/15/23	
	87.8 %	70-130	12/11/23	12/15/23	
mg/kg	mg/kg	An	alyst: KM		Batch: 2350031
ND	25.0	1	12/12/23	12/13/23	
ND	50.0	1	12/12/23	12/13/23	
	95.9 %	50-200	12/12/23	12/13/23	
mg/kg	mg/kg	An	alyst: BA		Batch: 2350018
183	20.0	1	12/13/23	12/14/23	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           87.8 %         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           95.9 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MB/kg         mg/kg         An           ND         20.0         1           87.8 %         70-130         70-130           mg/kg         mg/kg         An           ND         25.0         1           ND         50.0         1           95.9 %         50-200           mg/kg         mg/kg         An	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RAS           ND         0.0250         1         12/11/23           ND         0.0250         1         12/11/23           ND         0.0250         1         12/11/23           ND         0.0500         1         12/11/23           ND         0.0250         1         12/11/23           MD         0.0250         1         12/11/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         12/11/23           ND         50.0         1         12/12/23           ND         50.0         1         12/12/23           ND         50.0         1         12/12/23           ND         50.9%         50-200         12/12/23           mg/kg         mg/kg         Analyst: BA	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RAS           ND         0.0250         1         12/11/23         12/15/23           ND         0.0250         1         12/11/23         12/15/23           ND         0.0250         1         12/11/23         12/15/23           ND         0.0500         1         12/11/23         12/15/23           ND         0.0250         1         12/11/23         12/15/23           ND         0.0250         1         12/11/23         12/15/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23         12/15/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         12/11/23         12/15/23           ND         25.0         1         12/12/23         12/13/23           ND         50.0         1         12/12/23         12/13/23           ND         50.0         1         12/12/23         12/13/23           Mg/kg         mg/kg         Analyst: BA



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

## SS02-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		95.2 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2350018
	391	20.0		12/13/23	12/14/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

## SS03-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		94.1 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2350018
·	610	20.0	·	12/13/23	12/14/23	·



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

## SS04-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		97.0 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2350018



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

## SS05-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		97.4 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2350018
Chloride	248	20.0	1	12/13/23	12/14/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

## SS06-0'

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		97.2 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2350018
Chloride	3870	200	10	12/13/23	12/14/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

## SS07-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		93.8 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2350018
	834	40.0	2	12/13/23	12/14/23	



Chloride

## Sample Data

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

#### SS08-0'

#### E312055-08 Reporting Analyte Result Limit Dilution Analyzed Prepared Notes Analyst: RAS Batch: 2350004 mg/kg mg/kg Volatile Organics by EPA 8021B 12/11/23 12/15/23 ND 0.0250 Benzene 1 12/11/23 12/15/23 Ethylbenzene ND 0.0250ND 0.02501 12/11/23 12/15/23 Toluene 1 12/11/23 12/15/23 ND o-Xylene 0.02501 12/11/23 12/15/23 ND 0.0500 p,m-Xylene 12/11/23 12/15/23 1 Total Xylenes ND 0.025012/11/23 12/15/23 88.7 % 70-130 Surrogate: 4-Bromochlorobenzene-PID Analyst: RAS mg/kg Batch: 2350004 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 12/11/23 12/15/23 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 88.3 % 12/11/23 12/15/23 70-130 mg/kg mg/kg Analyst: KM Batch: 2350031 Nonhalogenated Organics by EPA 8015D - DRO/ORO 25.0 12/12/23 12/13/23 75.3 Diesel Range Organics (C10-C28) 12/12/23 12/13/23 Oil Range Organics (C28-C36) 88.3 50.0 1 12/13/23 Surrogate: n-Nonane 94.1 % 50-200 12/12/23 Analyst: BA Batch: 2350018 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

12/13/23

12/14/23

194



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

## **QC Summary Data**

George Well Pad Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 12/15/2023 3:14:49PM **Volatile Organics by EPA 8021B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2350004-BLK1) Prepared: 12/11/23 Analyzed: 12/14/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 95.2 70-130 LCS (2350004-BS1) Prepared: 12/11/23 Analyzed: 12/14/23 4.84 5.00 96.8 70-130 Benzene 0.0250 Ethylbenzene 4.66 0.0250 5.00 93.3 70-130 70-130 4.84 0.0250 5.00 96.9 Toluene 4.78 95.6 o-Xylene 0.0250 5.00 70-130 9.65 10.0 96.5 70-130 0.0500 p.m-Xvlene 96.2 70-130 14.4 0.0250 15.0 Total Xylenes 8.00 95.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.62 Source: E312053-02 Matrix Spike (2350004-MS1) Prepared: 12/11/23 Analyzed: 12/14/23 Benzene 4.85 0.0250 5.00 ND 96.9 54-133 ND 93.6 61-133 Ethylbenzene 4.68 0.0250 5.00

Matrix Spike Dup (2350004-MSD1)				Source:	E312053-	02	Prepared: 12	2/11/23 Analyzed: 12/14/23
Benzene	4.74	0.0250	5.00	ND	94.7	54-133	2.29	20
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	61-133	2.41	20
Toluene	4.74	0.0250	5.00	ND	94.9	61-130	2.32	20
o-Xylene	4.67	0.0250	5.00	ND	93.4	63-131	2.55	20
o,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131	2.47	20
Total Xylenes	14.1	0.0250	15.0	ND	94.1	63-131	2.50	20
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130		

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

97.1

95.8

96.8

96.5

61-130

63-131

63-131

63-131

70-130

4.86

4.79

9.68

7.63

0.0250

0.0250

0.0500

0.0250

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	·
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			12	/15/2023 3:14:49PN			
	Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RAS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2350004-BLK1)							Prepared: 1	2/11/23 Ana	lyzed: 12/14/23			
Gasoline Range Organics (C6-C10)	ND	20.0										
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.7	70-130						
LCS (2350004-BS2)							Prepared: 1	2/11/23 Ana	lyzed: 12/14/23			
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130						
Matrix Spike (2350004-MS2)				Source:	E312053-	02	Prepared: 1	2/11/23 Ana	lyzed: 12/14/23			
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	70-130						
Matrix Spike Dup (2350004-MSD2)				Source:	E312053-	02	Prepared: 1	2/11/23 Ana	lyzed: 12/14/23			
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130	2.56	20				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		88.9	70-130						



# **QC Summary Data**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	·
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

anager: F	Ashley Glovens	50				12/13/2023 3.14.491
d Organics by	EPA 8015I	D - DRO	ORO			Analyst: KM
	Source Result	Rec	Rec Limits	RPD	RPD Limi	
g mg/kg	mg/kg	%	%	%	%	Notes
				Prepared: 1	12/12/23	Analyzed: 12/13/23
)						
)						
50.0		97.3	50-200			
				Prepared:	12/12/23	Analyzed: 12/13/23
250		89.0	38-132			
50.0		96.0	50-200			
	Source:	E312055-0	05	Prepared:	12/12/23	Analyzed: 12/13/23
250	ND	95.2	38-132			
50.0		96.7	50-200			
	Source:	E312055-0	05	Prepared:	12/12/23	Analyzed: 12/13/23
250	ND	95.2	38-132	0.0299	20	
) 250	ND	93.2	36-132	0.0233	20	
	ting Spike Level mg/kg  0	ting Spike Level Result mg/kg mg/kg mg/kg mg/kg mg/kg source  50.0  50.0  Source:  50.0  Source:  Source:  Source:	ting Spike Level Result Rec Result Rec mg/kg mg/kg %  50.0  50.0  50.0  50.0  50.0  50.0  Source: E312055-1  50.0  Source: E312055-1  Source: E312055-1	Level   Result   Rec   Limits   mg/kg   mg/kg   %   %   %   %   %   %   %   %   %	ting lit         Spike Level         Source Result         Rec Limits         RPD           kg         mg/kg         %         %         %           Prepared:           0         50.0         97.3         50-200           Prepared:           0         250         89.0         38-132           50.0         96.0         50-200           Source: E312055-05         Prepared:           50.0         96.7         50-200           Source: E312055-05         Prepared:	ting Level Result Rec Limits RPD Limit Rg mg/kg mg/kg % % % % % % % % % % % % % % % % % % %

Matrix Spike (2350018-MS1)

Matrix Spike Dup (2350018-MSD1)

Chloride

Chloride

823

821

Prepared: 12/11/23 Analyzed: 12/14/23

Prepared: 12/11/23 Analyzed: 12/14/23

20

M2

M2

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		eorge Well Pa 3052-0001	d				Reported:
Dallas TX, 75240		Project Manager		shley Gioveng	go			1	12/15/2023 3:14:49PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350018-BLK1)							Prepared: 1	2/11/23 Ar	nalyzed: 12/14/23
Chloride	ND	20.0							
LCS (2350018-BS1)							Prepared: 1	2/11/23 Ar	nalyzed: 12/14/23
Chloride	249	20.0	250		99.7	90-110			

250

250

20.0

20.0

Source: E312055-04

Source: E312055-04

75.3

74.5

80-120

80-120

0.240

634

634

#### 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:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 15:14

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



f 19
Page 18 of

Project II	nformation					Chain of Custo	ody										Pag	e1
	Matador Prod		Company		Bill To				ab U				10	lan	TA			rogram
	George Well Manager: As		iongo	- +1	Attention: Matador Production Address: on file	on Company	E3V	)# 1 r=	=	100	Numb	2-000	1D	2D	3D	Standard X	CWA	SDWA
	3122 Natio				City, State, Zip:		ESI	200	ررد	Analy	vsis an	d Method	1			^	-	RCRA
	te, Zip: Carls				Phone: (337)319-8398		>	1		Allai	y 313 a11	d Method					-	Henry
	575-988-005		OOLLO		Email: clinton.talley@matado	rresources con	80										State	_
	giovengo@e		com		Email: clinton.taney@matado	n esources.com					0		ΣN	1		NMI CO	UT AZ	TX
Report d							J/DR	8021	3260	010	300				X			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	5
11:33	12/5/2023	Soil	1		SS01 - 0'	1							х					
11:35	12/5/2023	Soil	1	/	SS02 - 0'	2							х					
12:55	12/6/2023	Soil	1		SS03 - 0'	3							х					
12:18	12/6/2023	Soil	1		SS04 - 0¹	4							х					
13:20	12/6/2023	Soil	1		SS05 - 0¹	5							х					
12:28	12/6/2023	Soil	1		SS06 - 0'	6							х					
11:44	12/5/2023	Soil	1		SS07 - 0'	7							х					
11:45	12/5/2023	Soil	1		SS08 - 0'	8							х					
					m.com, agiovengo@ensolum.com				ehat							on ice	. Ali av	plad os
ate or time	of collection is c	onsidered f	raud and ma	y be grounds for leg		ît.							vg ter	mp abov	e 0 but	less than 6 °C on sub		pied of
4660	ed by: (Signatur	7	Date /2/ Date	7/23 07	William Street	Date Date	L3 Tim	130		Rec	eived	on ice:		ab Us		nly		
Mid	ed by: (Signatur	uh	17	-7-23 17	Received by: (Signature)	12.8	23 (	270	0	T1			<u>T2</u>			<u>T3</u>		
Andre		0		-8.23 13	Received by: (Signature)	12.8	23	130			Tem		+					
	rix: S - Soil, Sd - S					Containe				_							2300000000	n se
and the second second	A COUNTY AND DESCRIPTION OF THE PERSON OF TH				less other arrangements are made. Hazar atory with this COC. The liability of the labo								ent e	expens	e. In	e report for the	analysis of	the abov



or disposed of at the client expense. The report for the analysis of the above on the report.

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envirotech Inc.

Printed: 12/11/2023 1:00:53PM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00		Work Order ID:	E312055
Phone:	(972) 371-5200	Date Logged In:	12/08/23	14:20		Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (5 day TAT)			
Chain of	Custody (COC)						
1. Does tl	ne sample ID match the COC?		Yes				
2. Does tl	ne number of samples per sampling site location mate	h the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comments	s/Resolution
Sample 7	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u> </u>				
Sample (	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field Lal	<u>bel</u>						
	field sample labels filled out with the minimum infor	mation:					
	ample ID?		Yes				
	nate/Time Collected? collectors name?		Yes				
	Preservation		Yes				
	the COC or field labels indicate the samples were pre-	eserved?	No				
	ample(s) correctly preserved?	scrvca.	NA				
	filteration required and/or requested for dissolved ma	etals?	No				
	•		110				
	see Sample Matrix	~9	NT				
	the sample have more than one phase, i.e., multiphase		No				
	, does the COC specify which phase(s) is to be analyzed	zea?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator		No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client I	<u>istruction</u>						
	<u> </u>						
•							

Date

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

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: George Well Pad

Work Order: E312056

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/18/23

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: 12/18/23

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

Project Name: George Well Pad

Workorder: E312056

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

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Raina Schwanz

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## **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/23 09:40

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH02-0.5'	E312056-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-1'	E312056-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-2'	E312056-03A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-3'	E312056-04A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-4'	E312056-05A Soil	12/05/23	12/08/23	Glass Jar. 2 oz.



Matado	r Resources, LLC.	Project Name:	George Well Pad	
5400 L	BJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas 7	ΓX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-0.5' E312056-01

		E312030-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Ana	lyst: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
p-Xylene	ND	0.0250	1	12/11/23	12/11/23	
o,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	1210	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		80.2 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2350015
Chloride	1370	40.0	2	12/11/23	12/11/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-1'

#### E312056-02

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS	<u>-</u>	Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	555	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		75.8 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2350015
Chloride	1230	200	10	12/11/23	12/11/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-2'

## E312056-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RAS		Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	168	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		80.4 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2350015



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-3'

E31	205	56-	04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		94.9 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2350015
Chloride	572	200	10	12/11/23	12/11/23	



Matador Resources, LLC.	Project Nam	ne: George Well Pad	
5400 LBJ Freeway, Suite 15	500 Project Nun	mber: 23052-0001	Reported:
Dallas TX, 75240	Project Man	nager: Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-4'

#### E312056-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		81.0 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2350015
Chloride	765	200	10	12/11/23	12/11/23	



# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	George Well Pad 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

Dallas TX, 75240		Project Manager:		shley Gioveng	jo			12/	18/2023 9:40:42AM
		Volatile O	rganics l	oy EPA 802	1B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350012-BLK1)							Prepared: 12	2/11/23 Anal	yzed: 12/11/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			
LCS (2350012-BS1)							Prepared: 12	2/11/23 Anal	yzed: 12/11/23
Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			
Matrix Spike (2350012-MS1)				Source:	E312059-	01	Prepared: 12	2/11/23 Anal	yzed: 12/11/23
Benzene	4.64	0.0250	5.00	ND	92.9	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	4.92	0.0250	5.00	ND	98.4	61-130			
o-Xylene	5.02	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.2	70-130			
Matrix Spike Dup (2350012-MSD1)				Source:	E312059-	01	Prepared: 12	2/11/23 Anal	yzed: 12/11/23
Benzene	4.87	0.0250	5.00	ND	97.4	54-133	4.77	20	
Ethylbenzene	5.25	0.0250	5.00	ND	105	61-133	5.02	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	4.79	20	
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	4.86	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	4.92	20	
Total Xylenes	16.0	0.0250	15.0	ND	106	63-131	4.90	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/18/20239:40:42AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			12/1	8/2023 9:40:42AM
	Nor	nhalogenated	Organics	by EPA 80	15D - Gl	RO		I	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
Blank (2350012-BLK1)							Prepared: 1	2/11/23 Anal	yzed: 12/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			
LCS (2350012-BS2)							Prepared: 1	2/11/23 Anal	yzed: 12/11/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2350012-MS2)				Source:	E312059-	01	Prepared: 1	2/11/23 Anal	yzed: 12/11/23
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.3	70-130			
Matrix Spike Dup (2350012-MSD2)				Source:	E312059-	01	Prepared: 1	2/11/23 Anal	yzed: 12/11/23
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.3	70-130	0.450	20	

8.00

7.18

89.8

70-130

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/18/20239:40:42AM

Bullus 171, 732 10									
	Nonha	logenated Or		Analyst: KM					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350071-BLK1)							Prepared: 12	2/14/23 An	alyzed: 12/15/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			
LCS (2350071-BS1)							Prepared: 12	2/14/23 An	alyzed: 12/15/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike (2350071-MS1)				Source:	E312056-0	04	Prepared: 12	2/14/23 An	alyzed: 12/15/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike Dup (2350071-MSD1)				Source:	E312056-	04	Prepared: 12	2/14/23 An	alyzed: 12/15/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	0.292	20	
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			

246

276

271

LCS (2350015-BS1)

Matrix Spike (2350015-MS1)

Matrix Spike Dup (2350015-MSD1)

Chloride

Chloride

Chloride

Prepared: 12/11/23 Analyzed: 12/11/23

Prepared: 12/11/23 Analyzed: 12/11/23

Prepared: 12/11/23 Analyzed: 12/11/23

20

90-110

80-120

80-120

98.5

110

108

Source: E312060-02

Source: E312060-02

ND

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	eorge Well Pa 3052-0001 shley Gioveng			Reported: 12/18/2023 9:40:42AM		
		Anions		Analyst: BA					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350015-BLK1)							Prepared: 1	2/11/23 A	Analyzed: 12/11/23
Chloride	ND	20.0							

250

250

250

20.0

200

200

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:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/23 09:40

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.



Received by OCD: 1/13/2025 9:07:18 AM

cation,	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.
Time 1130	Received on ice: (Y) N
0700	T1 T2 T3
3 1300	O AVG Temp °C 4
	- poly/plastic, ag - amber glass, v - VOA
	nt or disposed of at the client expense. The report for the analysis of the abo for on the report.

Client: Matador Production Company					Bill To						Job Number			TAT				EPA P	rogram	
Project: George Well Pad Atte			tention: Matador Production	Company	Lab WO#					2D				3D	Standard	CWA	SDWA			
Project N	Manager: As	hley Giov	vengo		Ac	Address: on file			3120	501	0	23052-0001						Х	F 4 1	N. T.
Address:	3122 Natio	nal Parks	Hwy		Cit	y, State, Zip:						Analy	sis a	nd Metho	d					RCRA
City, Stat	te, Zip: Carls	bad NM,	88220		Ph	one: (337)319-8398		7	by									V.		
Phone:	575-988-005	5			En	nail: clinton.talley@matadorre	esources.com		ORO					184					State	
Email: a	giovengo@e	nsolum.	com						30/0	1	_		0.0		Σ		_	NM CO	UT AZ	TX
Report d	lue by:								J/DF	by 8021	8260	5010	300				¥	×		12.70
Time	2-1-1-1		No. of				Lab		TPH GRO/DRO/ORO by 8015	x by	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		20		Remarks	
Sampled	Date Sampled	Matrix	Containers	Sample ID			Number		TPH 801	втех	00	Met	Chic		BGI		GDOC		Remarks	
12:00	12/5/2023	Soil	1											х						
12:03	12/5/2023	Soil	1		2								х							
12:04	12/5/2023	Soil	1		3								х							
12:05	12/5/2023	Soil	1		4								х							
12:25	12/5/2023	Soil	1			PH02 - 4'	5								х					
					144.4.4.4	n, agiovengo@ensolum.com, c				om,	ehaf							on ice	sharran s	plad or
late or time	of collection is o	onsidered f				that tampering with or intentionally misla Sampled by: Ethan Haft	belling the samp	le loc	ation,				7		avg te	mp abo	ve 0 but le	ess than 6 °C on sub		ned of
4660	ed by: (Signatur	2	Date (12)		700	Received by: (Signature) Wille (Clyb		23	1.	30	)	Rece	eivec	on ice:		ab U	se Onl N	y		
Mil		lunk			730	Received by: (Signature)	12 · & ·	13		700		<u>T1</u>			<u>T2</u>			<u>T3</u>		
Relinquish	ed by: (Signatur		Date	1.8.23	1300	Received by: (Signature)	12-8	Z	3 Time	30	OX	AVG	Ten	np °C	4	-				
	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aqu	eous, O - Other _		6 4104	Containe													
Note: Sam	ples are discard	led 30 days	after resu	ts are reported	unless other	er arrangements are made. Hazardo	us samples will	be r	eturned	d to cl	ient o	or disp	osed	of at the c	lient e	expen	se. The	report for the	analysis of	the above
mples is	applicable only	to those s	amples rec	eived by the lab	oratory wit	h this COC. The liability of the labora	tory is limited to	o the	amour	nt paid	d for	on the	repo	ort.						



Page 109 of 374

envirotech Inc.

Printed: 12/11/2023 1:04:15PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00	Work Order ID:	E312056
Phone:	(972) 371-5200	Date Logged In:	12/08/23	14:24	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	12/15/23	17:00 (5 day TAT)		
Chain of	Chatady (COC)					
	Custody (COC)		<b>3</b> 7			
	ne sample ID match the COC? The number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?	ich the COC	Yes			
	e COC complete, i.e., signatures, dates/times, reques	otad analyzaas?	Yes Yes	Carrier: Courie	<u>er</u>	
	Il samples received within holding time?	sted allaryses:	Yes			
3. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	165		Comment	ts/Resolution
	<u>urn Around Time (TAT)</u> COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	· •					
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
• •	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	were custody/security seals intact?		No			
			NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4 v	<u> </u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		No NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	•		NA			
	trip blank (TB) included for VOC analyses?	ก				
	on-VOC samples collected in the correct containers'		Yes			
	appropriate volume/weight or number of sample contain	ners conected?	Yes			
Field Lab	<del></del>					
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes			
	rate/Time Collected?		Yes			
	ollectors name?		Yes			
Sample P	reservation					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	, does the COC specify which phase(s) is to be analy		NA			
		, 200.	11/21			
	act Laboratory	0	3.7			
	amples required to get sent to a subcontract laborato	-	No			
29. was a	subcontract laboratory specified by the client and is	i so wno?	NA	Subcontract Lab: NA	1	
Client In	<u>nstruction</u>					

Date

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

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: George Well Pad

Work Order: E410015

Job Number: 23003-0002

Received: 10/3/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/9/24

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

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

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

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

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

Date Reported: 10/9/24

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

Project Name: George Well Pad

Workorder: E410015

Date Received: 10/3/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2024 5:00:00AM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** 

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

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## Sample Summary

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/24 13:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-6"	E410015-01A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS02-6"	E410015-02A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS03-6"	E410015-03A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS04-6"	E410015-04A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS05-4"	E410015-05A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS06-4"	E410015-06A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS07-4"	E410015-07A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS09-4"	E410015-08A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS10-4"	E410015-09A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS11-4"	E410015-10A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS01-6" E410015-01

		E410015-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
p-Xylene	ND	0.0250	1	10/03/24	10/04/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2440070
viesel Range Organics (C10-C28)	3140	250	10	10/03/24	10/04/24	
Dil Range Organics (C28-C36)	5180	500	10	10/03/24	10/04/24	
Surrogate: n-Nonane		107 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2440087
Chloride	258	100	5	10/03/24	10/03/24	

Mat	ador Resources, LLC.	Project Name:	George Well Pad	
540	0 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dal	as TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS02-6"

E410015-02						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440070
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		107 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2440087
Chloride	1250	200	10	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS03-6"

E41		

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2440070
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		106 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2440087
Chloride	4450	200	10	10/03/24	10/03/24	



Matador Resour	ces, LLC.	Project Name:	George Well Pad	
5400 LBJ Freew	ray, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 7524	0	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS04-6"

#### E410015-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: BA		Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2440070
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		99.1 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2440087
Chloride	2330	200	10	10/03/24	10/03/24	



Chloride

# **Sample Data**

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS05-4"

E410015-05								
Reporting								
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2440085		
Benzene	ND	0.0250	1	10/03/24	10/04/24			
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24			
Toluene	ND	0.0250	1	10/03/24	10/04/24			
o-Xylene	ND	0.0250	1	10/03/24	10/04/24			
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24			
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24			
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/03/24	10/04/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2440085		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	10/03/24	10/04/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2440070		
Diesel Range Organics (C10-C28)	54.9	25.0	1	10/03/24	10/04/24			
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24			
Surrogate: n-Nonane		98.3 %	50-200	10/03/24	10/04/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2440087		

200

4760

10

10/03/24

10/03/24



Matador Resour	ces, LLC.	Project Name:	George Well Pad	
5400 LBJ Freew	ray, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 7524	0	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS06-4"

E41		

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2440070
Diesel Range Organics (C10-C28)	54.6	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		101 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2440087
Chloride	4320	200	10	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS07-4"

E41		

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2440070
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		101 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2440087
Chloride	4960	200	10	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS09-4"

#### E410015-08

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: BA		Batch: 2440085
ND	0.0250	1	10/03/24	10/04/24	
ND	0.0250	1	10/03/24	10/04/24	
ND	0.0250	1	10/03/24	10/04/24	
ND	0.0250	1	10/03/24	10/04/24	
ND	0.0500	1	10/03/24	10/04/24	
ND	0.0250	1	10/03/24	10/04/24	
	108 %	70-130	10/03/24	10/04/24	
mg/kg	mg/kg	Analy	st: BA		Batch: 2440085
ND	20.0	1	10/03/24	10/04/24	
	94.8 %	70-130	10/03/24	10/04/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2440070
89.5	25.0	1	10/03/24	10/04/24	
ND	50.0	1	10/03/24	10/04/24	
	104 %	50-200	10/03/24	10/04/24	
	104 %	30-200			
mg/kg	104 % mg/kg	Analy	st: DT		Batch: 2440087
	mg/kg  ND ND ND ND ND ND ND ND MD ND ND Solve the state of the state o	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           I08 %         mg/kg           ND         20.0           94.8 %         mg/kg           mg/kg         mg/kg           89.5         25.0	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           94.8 %         70-130           mg/kg         Mg/kg         Analy           89.5         25.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         10/03/24           ND         0.0250         1         10/03/24           ND         0.0250         1         10/03/24           ND         0.0250         1         10/03/24           ND         0.0500         1         10/03/24           ND         0.0250         1         10/03/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         10/03/24           mg/kg         mg/kg         Analyst: BA           mg/kg         mg/kg         Analyst: NV           89.5         25.0         1         10/03/24	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         10/03/24         10/04/24           ND         0.0500         1         10/03/24         10/04/24           ND         0.0250         1         10/03/24         10/04/24           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         10/03/24         10/04/24           mg/kg         mg/kg         Analyst: BA           mg/kg         mg/kg         Analyst: NV           89.5         25.0         1         10/03/24         10/04/24



Matador Resour	ces, LLC.	Project Name:	George Well Pad	
5400 LBJ Freew	ray, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 7524	0	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS10-4"

		E410015-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2440070
Diesel Range Organics (C10-C28)	25.0	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		102 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2440087
Chloride	3430	100	5	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

#### FS11-4"

#### E410015-10

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	ng/kg mg/kg		vst: BA		Batch: 2440085
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2440085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2440070
Diesel Range Organics (C10-C28)	151	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		103 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2440087
Chloride	3000	200	10	10/03/24	10/03/24	·



Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported.
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

Dallas TX, 75240		Project Number: Project Manager:		3003-0002 shley Gioveng	go.			10/	/9/2024 1:35:12PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440085-BLK1)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
LCS (2440085-BS1)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24
Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.05	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			
Matrix Spike (2440085-MS1)				Source:	E410015-	07	Prepared: 1	0/03/24 Anal	yzed: 10/04/24
Benzene	5.36	0.0250	5.00	ND	107	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.28	0.0250	5.00	ND	106	61-130			
p-Xylene	5.14	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			
Matrix Spike Dup (2440085-MSD1)				Source:	E410015-	07	Prepared: 10	0/03/24 Anal	yzed: 10/04/24
Benzene	5.26	0.0250	5.00	ND	105	54-133	1.83	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	1.50	20	
Toluene	5.18	0.0250	5.00	ND	104	61-130	1.90	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	1.67	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	1.43	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	1.51	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/9/20241:35:12PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			10	/9/2024 1:35:12PM
	Non	halogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2440085-BLK1)							Prepared: 1	0/03/24 Ana	lyzed: 10/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			
LCS (2440085-BS2)							Prepared: 1	0/03/24 Ana	lyzed: 10/04/24
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			
Matrix Spike (2440085-MS2)				Source:	E410015-	07	Prepared: 1	0/03/24 Ana	lyzed: 10/04/24
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
Matrix Spike Dup (2440085-MSD2)				Source:	E410015-	07	Prepared: 1	0/03/24 Ana	lyzed: 10/04/24
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.6	70-130	1.75	20	

8.00

7.80

97.5

70-130

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/9/20241:35:12PM

Danas 1X, 73240		1 Toject Ivianage	1. 710	micy Gloveng	50			107	7,2021 1.33.1211
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440070-BLK1)							Prepared: 1	0/03/24 Analy	yzed: 10/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	50-200			
LCS (2440070-BS1)							Prepared: 1	0/03/24 Analy	yzed: 10/04/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			
Matrix Spike (2440070-MS1)				Source:	E410015-0	01	Prepared: 1	0/03/24 Analy	yzed: 10/04/24
Diesel Range Organics (C10-C28)	3660	250	250	3140	207	38-132			M4
Surrogate: n-Nonane	54.9		50.0		110	50-200			
Matrix Spike Dup (2440070-MSD1)				Source:	E410015-	01	Prepared: 10	0/03/24 Analy	yzed: 10/04/24
Diesel Range Organics (C10-C28)	3070	250	250	3140	NR	38-132	17.6	20	M4
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	George Well Pad 23003-0002	Reported:
Dallas TX, 75240	Project Number: Project Manager:	Ashley Giovengo	10/9/2024 1:35:12PM

	Anions by EPA 300.0/9056A										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes		
Blank (2440087-BLK1)							Prepared: 1	0/03/24 An	alyzed: 10/03/24		
Chloride	ND	20.0									
LCS (2440087-BS1)							Prepared: 1	0/03/24 An	alyzed: 10/03/24		
Chloride	252	20.0	250		101	90-110					
Matrix Spike (2440087-MS1)				Source:	E410012-	02	Prepared: 1	0/03/24 An	alyzed: 10/03/24		
Chloride	532	20.0	250	271	105	80-120					
Matrix Spike Dup (2440087-MSD1)				Source:	E410012-	02	Prepared: 1	0/03/24 An	alyzed: 10/03/24		
Chloride	522	20.0	250	271	100	80-120	1.97	20			

#### QC Summary Report Comment:

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



## **Definitions and Notes**

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/24 13:35

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 1/17/2025 4:19:28 PM

	Cli	ent Inforn	nation		Invoice Informat	tion			1	ab U	se Or	nly						e			
	Matador Pro				Company: Ensolum LLC		La	ab W	0#		Job	Num	ber		1D	2D	3D S	itd	NM	co ut	TX
	George				Address: 3122 National Park	ks Hwy	E	141	00	5	23	00	3-0002								
Project I	Manager: A	shley Giov	/engo		City, State, Zip: Carlsbad NM	1, 88220															
	: 3122 Nati				Phone: 575-988-0055						Ana	lysis	and	nd Method EPA Progra					am		
City, Sta	te, Zip: Car	Isbad NM,	88220		Email: agiovengo@ensolum.com SI						SDWA	CWA	RCRA								
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Email: a	giovengo@	ensolum.c	com					2108	8015			. /				h 1		-	Compliance	e Y	or N
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Time Sampled	Date Sampled	d Matrix	No. of Containers		Sample ID	Field	Lab Numb	er ogo/ogo	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					veillai ks	
13:43	10/1/2	150il	1	FSO	2-6"		1						X								
13:49				FSO	2-6"		2						X								
13:54				F50	3 - 611		3						X								
14:00				FSO	4-6"		4						X								
14:05				FSC	5-4"		5						X								
15:56					06-411		6						X								
15:58					7 -4"		7		L				X								
16:04					9-411		8						X								
16:05					0 -411		9						X								
16:07				1	1 - 411		10						X								
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Printed: 10/3/2024 9:49:28AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/03/24 05	5:00		Work Order ID:	E410015
Phone:	(972) 371-5200	Date Logged In:	10/03/24 08			Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Date Logged in:  Due Date:		7:00 (4 day TAT)		Logged in by:	Cattill Mars
Ellian.	agioviigo@ciisoiuiii.coiii	Due Date.	10/03/24 1	7.00 (4 day 1A1)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location man	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	9 <b></b>	0.01101		
5. Were a	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in					Commont	s/Desolution
	i.e, 15 minute hold time, are not included in this disucssi	on.		г		Comment	s/Resolution
	Turn Around Time (TAT)		37				
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			***				
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no	visible ice, record the temperature.  Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	<u>oel</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	rate/Time Collected? collectors name?		Yes	_			
	Preservation		Yes				
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?	esservea.	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	ise Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		, zea.	INA				
	act Laboratory		3.7				
	amples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and it	t so who?	NA S	Subcontract Lab	: NA		
Client Ir	<u>istruction</u>						

Page 21 of 21

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: George Well Pad

Work Order: E410034

Job Number: 23003-0002

Received: 10/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/9/24

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

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

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

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

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

Date Reported: 10/9/24

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

Project Name: George Well Pad

Workorder: E410034

Date Received: 10/4/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/4/2024 8:00:00AM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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Client Representative

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mgonzales@envirotech-inc.com

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## **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/24 14:20

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
FS08-6"	E410034-01A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS12-4"	E410034-02A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS13-4"	E410034-03A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS14-4"	E410034-04A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS15-4"	E410034-05A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS16-4'	E410034-06A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:20:53PM

## FS08-6" E410034-01

		Reporting					
Analyte	Result	Limit	Dilut	ion Pre	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY			Batch: 2440106
Benzene	ND	0.0250	1	10/	/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/	/04/24	10/08/24	
Toluene	ND	0.0250	1	10/	/04/24	10/08/24	
o-Xylene	ND	0.0250	1	10/	/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/	/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/	/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.0 %	70-130	10/	/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	10/	/04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130	10/	/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY			Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/	/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.0 %	70-130	10/	/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	10/	/04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130	10/	/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF			Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/	/04/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/	/04/24	10/04/24	
Surrogate: n-Nonane		115 %	50-200	10/	/04/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM			Batch: 2440103
Amons by EFA 500.0/9050A	mg/Kg	mg ng					



Matador Resources, LLC.Project Name:George Well Pad5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:20:53PM

#### FS12-4" E410034-02

#### Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2440106 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 10/04/24 10/08/24 ND 0.0250 Benzene 1 10/04/24 10/08/24 Ethylbenzene ND 0.0250 ND 0.0250 1 10/04/24 10/08/24 Toluene 1 10/04/24 10/08/24 o-Xylene ND 0.0250 10/04/24 10/08/24 ND 0.0500 1 p,m-Xylene 10/04/24 10/08/24 0.0250 1 Total Xylenes ND 10/08/24 97.0 % 10/04/24 Surrogate: Bromofluorobenzene 70-130 10/08/24 Surrogate: 1,2-Dichloroethane-d4 95.8 % 70-130 10/04/24 Surrogate: Toluene-d8 99.6 % 70-130 10/04/24 10/08/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2440106 ND 1 10/04/24 10/08/24 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 97.0 % 10/04/24 10/08/24 70-130 10/08/24 Surrogate: 1,2-Dichloroethane-d4 95.8 % 70-130 10/04/24 Surrogate: Toluene-d8 10/04/24 10/08/24 99.6% 70-130 mg/kg Analyst: AF Batch: 2440098 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 10/04/24 10/04/24 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 10/04/24 10/04/24 Oil Range Organics (C28-C36) 108 % 50-200 10/04/24 10/04/24 Surrogate: n-Nonane mg/kg mg/kg Analyst: JM Batch: 2440103 Anions by EPA 300.0/9056A

200

2630

10

10/04/24

10/04/24



Chloride

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:20:53PM

### FS13-4" E410034-03

		211000100					
Analyte	Result	Reporting Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:		1 mary 2ea	Batch: 2440106
Benzene	ND	0.0250		1	10/04/24	10/08/24	Batch: 2 1 10100
Ethylbenzene	ND	0.0250		1	10/04/24	10/08/24	
Toluene	ND	0.0250		1	10/04/24	10/08/24	
o-Xylene	ND	0.0250		1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500		1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		100 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		100 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0		1	10/04/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/04/24	10/04/24	
Surrogate: n-Nonane		111 %	50-200	·	10/04/24	10/04/24	·
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2440103
Chloride	1240	200	1	10	10/04/24	10/04/24	



Matador Resources, LLC.Project Name:George Well Pad5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:20:53PM

#### FS14-4"

#### E410034-04

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Benzene	ND	0.0250	1		10/04/24	10/07/24	
Ethylbenzene	ND	0.0250	1		10/04/24	10/07/24	
Toluene	ND	0.0250	1		10/04/24	10/07/24	
o-Xylene	ND	0.0250	1		10/04/24	10/07/24	
p,m-Xylene	ND	0.0500	1		10/04/24	10/07/24	
Total Xylenes	ND	0.0250	1		10/04/24	10/07/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130		10/04/24	10/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/04/24	10/07/24	
Surrogate: Toluene-d8		100 %	70-130		10/04/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ.	10/04/24	10/07/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130		10/04/24	10/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/04/24	10/07/24	
Surrogate: Toluene-d8		100 %	70-130		10/04/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1		10/04/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1		10/04/24	10/04/24	
Surrogate: n-Nonane		112 %	50-200		10/04/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	_	Analyst:	JM		Batch: 2440103
Chloride	280	200	10	0	10/04/24	10/04/24	



Matador Resources, LLC.Project Name:George Well Pad5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:20:53PM

### FS15-4" E410034-05

		E410054-05				
Austra	D14	Reporting	Diluti	D	A	Notes
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2440106
Benzene	ND	0.0250	1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/04/24	10/08/24	
Toluene	ND	0.0250	1	10/04/24	10/08/24	
o-Xylene	ND	0.0250	1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130	10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	10/04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130	10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	10/04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: AF		Batch: 2440098
Diesel Range Organics (C10-C28)	34.3	25.0	1	10/04/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/04/24	
Surrogate: n-Nonane		114 %	50-200	10/04/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2440103
Chloride	700	200	10	10/04/24	10/04/24	



Matador Resources, LLC.Project Name:George Well Pad5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:20:53PM

### FS16-4' E410034-06

	_	Reporting	_				
Analyte	Result	Limit	Dilu	tion Prep	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg		1	Analyst: IY			Batch: 2440106
Benzene	ND	0.0250	1	10/0	04/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/0	04/24	10/08/24	
Toluene	ND	0.0250	1	10/0	04/24	10/08/24	
o-Xylene	ND	0.0250	1	10/0	04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/0	04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/0	04/24	10/08/24	
Surrogate: Bromofluorobenzene		97.0 %	70-130	10/0	04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	10/0	04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130	10/0	04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/0	04/24	10/08/24	
Surrogate: Bromofluorobenzene		97.0 %	70-130	10/0	04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	10/0	04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130	10/0	04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: AF			Batch: 2440098
Diesel Range Organics (C10-C28)	118	25.0	1	10/0	04/24	10/04/24	
Oil Range Organics (C28-C36)	74.3	50.0	1	10/0	04/24	10/04/24	
Surrogate: n-Nonane		124 %	50-200	10/0	04/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: JM			Batch: 2440103
Chloride	1110	40.0	2	10/0	04/24	10/04/24	

Matador Resources, LLC. Project Name: George Well Pad Reported:
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002
Dallas TX, 75240 Project Manager: Ashley Giovengo 10/9/2024 2:20:53PM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	go			10	/9/2024 2:20:53PN	
	V	Volatile Organic Compounds by EPA 8260B						Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2440106-BLK1)							Prepared: 10	0/04/24 Anal	yzed: 10/07/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130				
Surrogate: Toluene-d8	0.508		0.500		102	70-130				
LCS (2440106-BS1)							Prepared: 10	0/04/24 Anal	yzed: 10/07/24	
Benzene	2.51	0.0250	2.50		100	70-130				
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130				
Toluene	2.45	0.0250	2.50		97.9	70-130				
o-Xylene	2.60	0.0250	2.50		104	70-130				
p,m-Xylene	5.22	0.0500	5.00		104	70-130				
Total Xylenes	7.82	0.0250	7.50		104	70-130				
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130				
Surrogate: Toluene-d8	0.508		0.500		102	70-130				
Matrix Spike (2440106-MS1)				Source:	E410034-	04	Prepared: 10	0/04/24 Anal	yzed: 10/08/24	
Benzene	2.53	0.0250	2.50	ND	101	48-131				
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135				
Toluene	2.49	0.0250	2.50	ND	99.4	48-130				
o-Xylene	2.52	0.0250	2.50	ND	101	43-135				
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135				
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135				
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130				
Surrogate: Toluene-d8	0.504		0.500		101	70-130				
Matrix Spike Dup (2440106-MSD1)				Source:	E410034-	04	Prepared: 10	0/04/24 Anal	yzed: 10/08/24	
Benzene	2.51	0.0250	2.50	ND	100	48-131	0.794	23		
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	0.514	27		
Toluene	2.50	0.0250	2.50	ND	99.8	48-130	0.422	24		
o-Xylene	2.54	0.0250	2.50	ND	102	43-135	0.930	27		
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	0.0988	27		
Total Xylenes	7.60	0.0250	7.50	ND	101	43-135	0.244	27		
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130				
			0.500		102	<b>50 150</b>				



0.500

102

70-130

0.509

Surrogate: Toluene-d8

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:20:53PM

Anal	

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

	resur				1100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440106-BLK1)							Prepared: 1	0/04/24 An	nalyzed: 10/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
LCS (2440106-BS2)							Prepared: 1	0/04/24 An	nalyzed: 10/07/24
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0	·	81.6	70-130		·	
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
Matrix Spike (2440106-MS2)	atrix Spike (2440106-MS2)			Source: E410034-04			Prepared: 10/04/24 Analyzed: 10/08/24		
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
Matrix Spike Dup (2440106-MSD2)				Source:	E410034-	04	Prepared: 1	0/04/24 An	nalyzed: 10/08/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130	2.03	20	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:20:53PM

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	Nonha		Analyst: AF							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2440098-BLK1)		Prepared: 10/0-							alyzed: 10/04/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	51.5		50.0		103	50-200				
LCS (2440098-BS1)								Prepared: 10/04/24 Analyzed: 10/04/24		
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132				
Surrogate: n-Nonane	55.7		50.0		111	50-200				
Matrix Spike (2440098-MS1)				Source:	Source: E410034-04			Prepared: 10/04/24 Analyzed: 10/04/		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132				
Surrogate: n-Nonane	57.2		50.0		114	50-200				
Matrix Spike Dup (2440098-MSD1)				Source:	E410034-	04	Prepared: 10	0/04/24 An	alyzed: 10/04/24	
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	0.992	20		
Surrogate: n-Nonane	58.4		50.0		117	50-200				



Matrix Spike (2440103-MS1)

Matrix Spike Dup (2440103-MSD1)

Chloride

Chloride

938

936

Prepared: 10/04/24 Analyzed: 10/04/24

Prepared: 10/04/24 Analyzed: 10/04/24

20

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	ıd				Reported:					
Dallas TX, 75240		Project Number: 23003-0002 Project Manager: Ashley Giovengo							10/9/2024 2:20:53PM		
		Anions		Analyst: JM							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2440103-BLK1)							Prepared: 1	0/04/24 A	nalyzed: 10/04/24		
Chloride	ND	20.0									
LCS (2440103-BS1)							Prepared: 1	0/04/24 A	nalyzed: 10/04/24		
Chloride	254	20.0	250		102	90-110					

250

250

200

200

Source: E410034-05

Source: E410034-05

95.3

94.5

80-120

80-120

0.219

700

700

#### QC Summary Report Comment:

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



### **Definitions and Notes**

l	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/24 14:20

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.

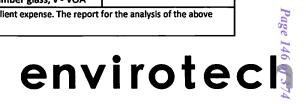
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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





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Printed: 10/4/2024 10:00:04AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/04/24	08:00		Work Order ID:	E410034
Phone:	(972) 371-5200	Date Logged In:	10/03/24	16:26		Logged In By:	Raina Schwanz
Email:		Due Date:	10/10/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mate	h the COC					
	amples dropped off by client or carrier?	in the COC	Yes	G : 0			
	e COC complete, i.e., signatures, dates/times, request	ad analysess?	Yes Yes	Carrier: <u>C</u>	<u>Jourier</u>		
	Il samples received within holding time?	eu anaryses:	Yes				
J. Were an	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103			Comment	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample t	received w/i 15	Yes				
		emperature. 1	<u> </u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers:	are collected?	Yes				
Field Lab		ers conceted?	105				
-	field sample labels filled out with the minimum infor	mation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pre-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	e?	No				
27. If yes,	does the COC specify which phase(s) is to be analyzed	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	ν?	No				
	subcontract laboratory specified by the client and if		NA	Subcontract Lab	» NA		
			1112	Subcontract Eat	J. 1471		
Client In	astruction						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

### **Analytical Report**

Matador Resources, LLC.

Project Name: George Well Pad

Work Order: E410046

Job Number: 23003-0002

Received: 10/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/24

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

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

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

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

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

Date Reported: 10/10/24

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

Project Name: George Well Pad

Workorder: E410046

Date Received: 10/7/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/7/2024 5:00:00AM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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#### **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	P 4.1
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/24 09:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS17 - 6"	E410046-01A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS18 - 4"	E410046-02A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS19 - 4"	E410046-03A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS20 - 4"	E410046-04A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS21 - 4"	E410046-05A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS22 - 4"	E410046-06A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS23 - 4"	E410046-07A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH01 - 6'	E410046-08A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH01 - 8'	E410046-09A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH01 - 10'	E410046-10A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH01 - 12'	E410046-11A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH01 - 13'	E410046-12A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH02 - 6'	E410046-13A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH02 - 8'	E410046-14A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH02 - 10'	E410046-15A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH02 - 12'	E410046-16A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
PH02 - 13'	E410046-17A	Soil	10/03/24	10/07/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### FS17 - 6" E410046-01

		E410046-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/08/24	
Toluene	ND	0.0250	1	10/07/24	10/08/24	
o-Xylene	ND	0.0250	1	10/07/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/08/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		112 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2441009
Chloride	797	200	10	10/07/24	10/07/24	

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### FS18 - 4"

#### E410046-02

		2110010 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/08/24	
Toluene	ND	0.0250	1	10/07/24	10/08/24	
o-Xylene	ND	0.0250	1	10/07/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/08/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		103 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2441009
Chloride	401	200	10	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### FS19 - 4"

		E410046-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/08/24	
Toluene	ND	0.0250	1	10/07/24	10/08/24	
o-Xylene	ND	0.0250	1	10/07/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		115 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2441009
Chloride	609	200	10	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

### FS20 - 4''

		E410046-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/08/24	
Toluene	ND	0.0250	1	10/07/24	10/08/24	
o-Xylene	ND	0.0250	1	10/07/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		108 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2441009
Chloride	514	200	10	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### FS21 - 4"

		E410046-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/08/24	
Toluene	ND	0.0250	1	10/07/24	10/08/24	
o-Xylene	ND	0.0250	1	10/07/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/08/24	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.1 %	70-130	10/07/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		113 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2441009
Chloride	959	100	5	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### FS22 - 4"

		E410046-06				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
o,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	200	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	108	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		109 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2441009
Chloride	890	100	5	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

FS23 - 4"

			_
E41	.004	ŀ6-U	17

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	0.0897	0.0500	1	10/07/24	10/09/24	
Total Xylenes	0.0897	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		87.8 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.9 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	87.5	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		118 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2441009
Chloride	527	100	5	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH01 - 6' E410046-08

	E-1100-10 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: CG		Batch: 2441013
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0500	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
	88.1 %	70-130	10/07/24	10/09/24	
mg/kg	mg/kg	Analy	rst: CG		Batch: 2441013
ND	20.0	1	10/07/24	10/09/24	
	99.8 %	70-130	10/07/24	10/09/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2441005
ND	25.0	1	10/07/24	10/07/24	
ND	50.0	1	10/07/24	10/07/24	
	119 %	50-200	10/07/24	10/07/24	
mg/kg	mg/kg	Analy	rst: DT		Batch: 2441009
2080	200	10	10/07/24	10/07/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           88.1 %         mg/kg           MD         20.0           99.8 %         mg/kg           MD         25.0           ND         50.0           119 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           88.1 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           99.8 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           119 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0500         1         10/07/24           ND         0.0250         1         10/07/24           mg/kg         mg/kg         Analyst: CG           ND         20.0         1         10/07/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         10/07/24           ND         25.0         1         10/07/24           ND         50.0         1         10/07/24           ND         50.0         1         10/07/24           Mg/kg         mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           ND         0.0500         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           mg/kg         mg/kg         Analyst: CG         Analyst: CG           ND         20.0         1         10/07/24         10/09/24           mg/kg         mg/kg         Analyst: CG         Analyst: NV           ND         25.0         1         10/07/24         10/09/24           ND         25.0         1         10/07/24         10/07/24           ND         50.0         1         10/07/24         10/07/24           ND         50.0         1         10/07/24         10/07/24           ND         50.0         1         10/07/24



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH01 - 8' E410046-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		88.8 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: CG			Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		119 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2441009
Chloride	2130	200	10	10/07/24	10/07/24	

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH01 - 10' E410046-10

	E410040-10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: CG		Batch: 2441013
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0500	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
	89.9 %	70-130	10/07/24	10/09/24	
mg/kg	mg/kg	Analy	/st: CG		Batch: 2441013
ND	20.0	1	10/07/24	10/09/24	
	101 %	70-130	10/07/24	10/09/24	
mg/kg	mg/kg Analyst: NV		vst: NV		Batch: 2441005
ND	25.0	1	10/07/24	10/07/24	
ND	50.0	1	10/07/24	10/07/24	
	112 %	50-200	10/07/24	10/07/24	
mg/kg	mg/kg	Analy	/st: DT		Batch: 2441009
1820	200	10	10/07/24	10/07/24	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           89.9 %         mg/kg           mg/kg         mg/kg           ND         20.0           101 %         mg/kg           ND         25.0           ND         50.0           112 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           89.9 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           101 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           112 %         50-200           mg/kg         Mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0500         1         10/07/24           ND         0.0250         1         10/07/24           mg/kg         mg/kg         Analyst: CG           ND         20.0         1         10/07/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         10/07/24           ND         50.0         1         10/07/24           ND         50.0         1         10/07/24           ND         50.0         1         10/07/24           ND         50.0         1         10/07/24           Mg/kg         mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           ND         0.0500         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           MD         0.0250         1         10/07/24         10/09/24           mg/kg         mg/kg         Analyst: CG         Analyst: CG           ND         20.0         1         10/07/24         10/09/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         10/07/24         10/07/24           ND         50.0         1         10/07/24         10/07/24           ND         50.0         1         10/07/24         10/07/24           Mg/kg         mg/kg <t< td=""></t<>



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH01 - 12' E410046-11

		E-1100-0-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		118 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2441009
Chloride	1350	100	5	10/07/24	10/07/24	



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#### PH01 - 13' E410046-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		113 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2441009
Chloride	1260	200	10	10/07/24	10/07/24	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH02 - 6' E410046-13

		E-1100-0-15				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2441005
Diesel Range Organics (C10-C28)	27.5	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		116 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2441009
Chloride	5570	400	20	10/07/24	10/07/24	

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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH02 - 8' E410046-14

		2710070 17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.8 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		108 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2441009
Chloride	6870	400	20	10/07/24	10/07/24	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH02 - 10' E410046-15

		E-100-0-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2441013
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	26.9	25.0	1	10/07/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/08/24	
Surrogate: n-Nonane		115 %	50-200	10/07/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2441009
Chloride	7000	400	20	10/07/24	10/07/24	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH02 - 12' E410046-16

		E-1100-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2441013
Benzene	ND	0.0250	1	10/07/24	10/09/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/09/24	
Toluene	ND	0.0250	1	10/07/24	10/09/24	
o-Xylene	ND	0.0250	1	10/07/24	10/09/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/09/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/09/24	
Surrogate: 4-Bromochlorobenzene-PID		90.1 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG	Batch: 2441013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	10/07/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2441005
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/08/24	
Surrogate: n-Nonane		121 %	50-200	10/07/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2441009
Chloride	4540	200	10	10/07/24	10/07/24	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/2024 9:19:58AM

#### PH02 - 13' E410046-17

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: CG		Batch: 2441013
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
ND	0.0500	1	10/07/24	10/09/24	
ND	0.0250	1	10/07/24	10/09/24	
	90.8 %	70-130	10/07/24	10/09/24	
mg/kg	mg/kg	Analy	rst: CG		Batch: 2441013
ND	20.0	1	10/07/24	10/09/24	
	98.7 %	70-130	10/07/24	10/09/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2441005
68.7	25.0	1	10/07/24	10/08/24	
57.4	50.0	1	10/07/24	10/08/24	
	111 %	50-200	10/07/24	10/08/24	
mg/kg	mg/kg	Analy	rst: DT		Batch: 2441009
5320	200	10	10/07/24	10/07/24	
	mg/kg ND ND ND ND ND ND ND The state of the	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           98.7 %         mg/kg           mg/kg         mg/kg           68.7         25.0           57.4         50.0           111 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           90.8 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           98.7 %         70-130           mg/kg         mg/kg         Analy           68.7         25.0         1           57.4         50.0         1           111 %         50-200           mg/kg         Mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0500         1         10/07/24           ND         0.0250         1         10/07/24           ND         0.0250         1         10/07/24           mg/kg         mg/kg         Analyst: CG           ND         20.0         1         10/07/24           mg/kg         mg/kg         Analyst: NV           68.7         25.0         1         10/07/24           57.4         50.0         1         10/07/24           mg/kg         mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         10/07/24         10/09/24           ND         0.0500         1         10/07/24         10/09/24           ND         0.0250         1         10/07/24         10/09/24           mg/kg         mg/kg         Analyst: CG         ND         10/07/24         10/09/24           mg/kg         mg/kg         Analyst: CG         ND         10/07/24         10/09/24           mg/kg         mg/kg         Analyst: NV         10/09/24         10/09/24           68.7         25.0         1         10/07/24         10/08/24           57.4         50.0         1         10/07/24         10/08/24           mg/kg         mg/kg         Analyst: DT         10/07/24         10/08/24



### **QC Summary Data**

		Q C D	, dilliii	ary Date					
Matador Resources, LLC. Project Name: George Well Pad 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002									Reported:
Dallas TX, 75240		Project Manager		Ashley Gioveng	go			1	0/10/2024 9:19:58AM
		Volatile C	rganics	by EPA 802	21B				Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

		Analyst: CG							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441013-BLK1)							Prepared: 1	0/07/24 Anal	yzed: 10/08/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.1	70-130			
LCS (2441013-BS1)							Prepared: 1	0/07/24 Anal	yzed: 10/08/24
Benzene	4.18	0.0250	5.00		83.7	70-130			
Ethylbenzene	4.23	0.0250	5.00		84.6	70-130			
Toluene	4.25	0.0250	5.00		85.1	70-130			
o-Xylene	4.22	0.0250	5.00		84.5	70-130			
p,m-Xylene	8.60	0.0500	10.0		86.0	70-130			
Total Xylenes	12.8	0.0250	15.0		85.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			
Matrix Spike (2441013-MS1)				Source:	E410046-0	05	Prepared: 1	0/07/24 Anal	yzed: 10/08/24
Benzene	4.51	0.0250	5.00	ND	90.3	54-133			
Ethylbenzene	4.52	0.0250	5.00	ND	90.4	61-133			
Toluene	4.58	0.0250	5.00	ND	91.6	61-130			
o-Xylene	4.53	0.0250	5.00	ND	90.5	63-131			
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130			
Matrix Spike Dup (2441013-MSD1)				Source:	E410046-0	05	Prepared: 10	0/07/24 Anal	yzed: 10/08/24
Benzene	4.83	0.0250	5.00	ND	96.6	54-133	6.73	20	
Ethylbenzene	4.84	0.0250	5.00	ND	96.9	61-133	6.87	20	
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	6.53	20	
o-Xylene	4.85	0.0250	5.00	ND	97.1	63-131	6.96	20	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	63-131	6.82	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.8	63-131	6.87	20	
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/10/20249:19:58AM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			10	/10/2024 9:19:58A
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441013-BLK1)							Prepared: 1	0/07/24 Ana	lyzed: 10/08/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			
LCS (2441013-BS2)							Prepared: 1	0/07/24 Ana	lyzed: 10/08/24
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.15		8.00		102	70-130			
Matrix Spike (2441013-MS2)				Source:	E410046-	05	Prepared: 1	0/07/24 Ana	lyzed: 10/08/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			

Matrix Spike Dup (2441013-MSD2)					Source: E410046-05			0/07/24 Analyzed: 10/08/24
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.3	70-130	2.53	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130		

#### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/10/2024 9:19:58AM

, ,,=					>-					
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2441005-BLK1)							Prepared: 1	0/07/24 Ana	lyzed: 10/07/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	59.7		50.0		119	50-200				
LCS (2441005-BS1)							Prepared: 1	0/07/24 Ana	lyzed: 10/07/24	
Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132				
Surrogate: n-Nonane	52.6		50.0		105	50-200				
Matrix Spike (2441005-MS1)				Source:	E410046-	08	Prepared: 1	0/07/24 Ana	lyzed: 10/07/24	
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	38-132				
Surrogate: n-Nonane	55.8		50.0		112	50-200				
Matrix Spike Dup (2441005-MSD1)				Source:	E410046-	08	Prepared: 1	0/07/24 Ana	lyzed: 10/07/24	
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132	1.31	20		
Surrogate: n-Nonane	54.5		50.0		109	50-200				

Chloride

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	23	eorge Well Pa 3003-0002 shley Gioven				1	<b>Reported:</b> 0/10/2024 9:19:58AM
		Anions	by EPA 3	300.0/9056	A				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
Blank (2441009-BLK1)						I	Prepared: 1	0/07/24 Aı	nalyzed: 10/07/24
Chloride	ND	20.0							
LCS (2441009-BS1)						I	Prepared: 1	0/07/24 Aı	nalyzed: 10/07/24

Matrix Spike (2441009-MS1)		Source	E410046-	07	Prepared: 10/07/24 Analyzed: 10/07/24				
Chloride	796	100	250	527	107	80-120			
Matrix Spike Dup (2441009-MSD1)				Source	E410046-	07	Prepared: 10	0/07/24 Analyzed: 10/07/24	
Chloride	813	100	250	527	114	80-120	2.04	20	

250

20.0

101

90-110

253

#### 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**

ſ	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/10/24 09:19

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.



Page 1	of
16	

Client Information					Invoice Information		Lab Use Only						TAT				State					
Client: Matador Production Company,				Co	Company: Ensolum LLC L		Lab WO# Job Numb						nber 1D 2D 3D Sto						TX			
Project: George Well Pad				Ad	Address: 3122 National Parks Hwy			Lab WO# Job Number 23003.000							200			X	X			
Project I	Manager: As	shley Giov	/engo		<u>Ci</u>	City, State, Zip: Carlsbad NM, 88220																
Address	: 3122 Natio	onal Parks	Hwy		Ph	ione: 575-988-0055							Ana	lysis	and	Met	hod				A Progra	
	te, Zip: Carl		88220		E	mail: agiovengo@ensolum.con	1													SDWA	CWA	RCRA
1-2-20	575-988-005				Mi	scellaneous:															1 0	LN
Email: a	giovengo@e	ensolum.c	com				_			8015	015		3119							Complian	ce Y	or N
-				C	ula lufamunt	lan.			-	by 8	by 8	021	09;	0.00	Z	XI-	etals			PWSID#		
******		T	Í sa I	Sam	ple Informat	ion	ho 5	Lah	100	ORO	DRO	by 8	oy 82	ide 3	)C-1	1005	8				Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	er	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Hemans	
10:35	10/3/24	Soil	1	F5	17 -	6"		1							X							
16:02				F	518-	411		2							X							
16:05				F	519-	4"		3							X							
16:07				F	520 -	- U''		4							X							
16:10		1		F	521 -	- 4"		5							X							
16:15				F	572	- Y"		6							X							
16:12				F	623	- Y"		7							χ							
14:42				P	104	-6'		8							X							
15:01				P	401	-g'		9							X							
15:08				P	401	-10,		10	)						X							
Addition	nal Instruction	ons: Ple	ase CC: cb	urton@e	ensolum.com	n, agiovengo@ensolum.com, ies	trella	@ensol	lum	.con	n, bd	leal@	ens	olun	ı.con	n, ch	amilt	on@e	nsolun	n.com,		
	ns@ensolur		and the second						· ·	OLVER.			0	- Th. To.	N.D.	11	ar and			-11		
7 8	pler), attest to the Bowan Simmor	The second second	d authenticity	of this samp	ole. I am aware th	at tampering with or intentionally mislabelin	g the sa	imple loca	ition,	date	or time	e or cc	mectio	n is co	nsidere	ed Irau	id and i	may be g	grounus ro	r regar action		
	ned by: (Signatu		Date	-	Time 1	Received by: (Signature)	Date	1	T	Time	15 × 1	1	1		Sampl	es requ	iring the	ermal pre	servation m	ust be received	on ice the da	y they are
10	7		100000	4/24	1/45	7 CI JENK	11/	1.4-	29	11	16	15						packed in	ice at an av	g temp above (	) but less than	n 6 °C on
Relinquished by: (Signature)  Date  Date  Time  30 Received by: (Signature)					Received by (Signature)	10.4.24 1600							Lab Use Only  Received on ice: Y/N									
Religiquist	ned by: (Signatu						Date 10	7.24		Time	50	0			<u>T1</u>			_ 1	2		<u>T3</u>	
Relinquished by: (Signature)  Date  Time  Received by: (Signature)					Received by: (Signature)	Date			Time			-		1327 200		np °C		1				
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						er arrangements are made. Hazardous s										e clier	it expe	ense. H	ne report	for the ana	iysis of the	: above



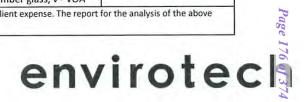
ent expense. The report for the analysis of the above

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Client Information				Invoice Information  Company: Ensolum LLC Address: 3122 National Parks Hwy E		Lab Use Only								TAT		State				
Client: Matador Production Company Project: George Well Pad							La	Lab WO# Job Numb E 410046 28003					nber 1D 2D 3D Sto			D Std	MM CO UT TX			
							E						5.00	200	E = \		X	X		
Project N	Manager: As	hley Giov	engo		City, State, Zip: Carlsbad NN	M, 88220														
	3122 Natio				Phone: 575-988-0055				_		Ana	lysis	and	Met	hod				A Progra	
	e, Zip: Carls		88220		Email: agiovengo@ensolu	ım.com					UT T							SDWA	CWA	RCRA
	575-988-005				Miscellaneous:													0 "	1 0	sal N
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*****			1	Sample Info	mation	h 2	Lah	O SO	DRO	by 8	3y 8Z	ide 3	- OC	1005	8				Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Numb	e DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					
15:32	10/3/24	Soil	1	PHOI	-12		11						X							
(5:34		1		PHO	1-131		12						X				3 2			
11:56				PHO	2-6		13	>					X							
12:13				PHO	2-9'		14						X							
13:05				PHO	2-10		15						X							
13:43				PHO	2-10' 2-12' )2-13'		16	,					X							
19:08				PHO	02-13		1-						X							
												П								
12 M. C.	I Ial Instructions Ins@ensolun		ase CC: cbu	rton@ensolum	.com, agiovengo@ensolum.co	om, iestrella	@ensol	um.co	m, bo	deal(	ens	olum	ı.cor	n, ch	amilt	on@e	nsolun	n.com,		
			d authenticity of	this sample. I am av	vare that tampering with or intentionally n	mislabeling the sa	mple loca	tion, dat	e or tim	ne of co	ollectio	n is co	nsider	ed frau	d and	may be g	grounds fo	or legal action.		
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Relinquish	ed by: (Signatu	re)	Date 10/4	124 Time 24	Received by: (Signature)	Date //	1.4	247	24	15			sampl		ceived			oust be received or temp above 0		
6	ed)by: (Signatu		Pate 15	4.24 Time 2	Received by: (signature)	Date 10	.4.2	y Time	600	)				eivec		ce:	Lab U	se Only N		
lake	ed by: (Signatu	€60	Date 10 · 4	1.24 72		20 10	7-24	1 0	50	2			<u>T1</u>			_ 1	2		<u>T3</u>	
Relinquished by: (Signature) Date Tim				Time	Received by: (Signature)	Date		AVG Temp °C er Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
	rix: <b>S</b> - Soil, <b>Sd</b> - S																	for the anal	ucic of the	ahove
					s other arrangements are made. Haza									e clief	it exp	ense. H	ne report	cioi die allal	isis of the	anove





envirotech Inc.

Printed: 10/7/2024 8:51:49AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/07/24 (	05:00	Work Order ID:	E410046
Phone:	(972) 371-5200	Date Logged In:	10/04/24	13:50	Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:	10/11/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	<u> urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	, were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
Sample C	, <u>*</u>		_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contai		Yes			
Field Lab	•					
	— field sample labels filled out with the minimum info	ormation:				
S	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	<u>Preservation</u>	10				
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
24. Is lab	filteration required and/or requested for dissolved r	netais?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA		
Client Ir	nstruction					

Date

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

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: George Well Pad

Work Order: E410153

Job Number: 23003-0002

Received: 10/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/22/24

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

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

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

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

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

Date Reported: 10/22/24

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

Project Name: George Well Pad

Workorder: E410153

Date Received: 10/16/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2024 8:00:00AM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Michelle Gonzales** 

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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QC Summary Data	6
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QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

#### **Sample Summary**

_					
Γ	Matador Resources, LLC.	rces, LLC. Project Name:		Reported:	
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reporteu.	
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/24 14:18	

Client Sample ID	Lab Sample ID Mat	rix Sampled	Received	Container
FS01-0.5'	E410153-01A Soi	1 10/14/24	10/16/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2024 2:18:53PM

#### FS01-0.5' E410153-01

		E410153-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2442097
Benzene	ND	0.0250	1	10/16/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/16/24	10/16/24	
Toluene	ND	0.0250	1	10/16/24	10/16/24	
o-Xylene	ND	0.0250	1	10/16/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/16/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/16/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2442097
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	10/16/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2442106
Diesel Range Organics (C10-C28)	42.0	25.0	1	10/16/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/24	10/17/24	
Surrogate: n-Nonane		101 %	50-200	10/16/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2442095
Chloride	287	100	5	10/16/24	10/17/24	

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

## **QC Summary Data**

George Well Pad Matador Resources, LLC. Project Name: Reported: Project Number: 5400 LBJ Freeway, Suite 1500 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 10/22/2024 2:18:53PM **Volatile Organics by EPA 8021B** Analyst: CG Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2442097-BLK1) Prepared: 10/16/24 Analyzed: 10/16/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250

LCS (2442097-BS1)					Prepared:	10/16/24 Analyzed: 10/16/24
Benzene	5.07	0.0250	5.00	101	70-130	
Ethylbenzene	4.95	0.0250	5.00	99.0	70-130	
Toluene	5.04	0.0250	5.00	101	70-130	
o-Xylene	4.94	0.0250	5.00	98.8	70-130	
p,m-Xylene	10.0	0.0500	10.0	100	70-130	
Total Xylenes	15.0	0.0250	15.0	99.9	70-130	
Surrogate: 4-Bromochlorobenzene-PID	7 11		8.00	88.8	70-130	

8.00

87.9

70-130

ND

ND

ND

7.03

0.0250

0.0500

0.0250

Matrix Spike (2442097-MS1)		Source:	E410152-1	14	Prepared: 10/16/24 Analyzed: 10/16/24		
Benzene	10.1	0.0500	10.0	ND	101	54-133	
Ethylbenzene	9.86	0.0500	10.0	ND	98.6	61-133	
Toluene	10.0	0.0500	10.0	ND	100	61-130	
o-Xylene	9.82	0.0500	10.0	ND	98.2	63-131	
p,m-Xylene	20.0	0.100	20.0	ND	99.9	63-131	
Total Xylenes	29.8	0.0500	30.0	ND	99.3	63-131	
Surrogate: 4-Bromochlorobenzene-PID	14.2		16.0		88.8	70-130	

Matrix Spike Dup (2442097-MSD1)					Source: E410152-14			Prepared: 10/16/24 Analyzed: 10/16/24		
Benzene	10.3	0.0500	10.0	ND	103	54-133	1.60	20		
Ethylbenzene	9.96	0.0500	10.0	ND	99.6	61-133	1.08	20		
Toluene	10.2	0.0500	10.0	ND	102	61-130	1.34	20		
o-Xylene	9.93	0.0500	10.0	ND	99.3	63-131	1.13	20		
p,m-Xylene	20.2	0.100	20.0	ND	101	63-131	1.11	20		
Total Xylenes	30.1	0.0500	30.0	ND	100	63-131	1.12	20		
Surrogate: 4-Bromochlorobenzene-PID	14.1		16.0		88.1	70-130				

Matrix Spike Dup (2442097-MSD2)

89.0

15.8

40.0

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

#### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/22/20242:18:53PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	50			10/	22/2024 2:18:53P
	Non	halogenated		Analyst: CG					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2442097-BLK1)							Prepared: 1	0/16/24 Anal	yzed: 10/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			
LCS (2442097-BS2)							Prepared: 1	0/16/24 Anal	yzed: 10/16/24
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			
Matrix Spike (2442097-MS2)				Source:	E410152-	14	Prepared: 1	0/16/24 Anal	yzed: 10/16/24
Gasoline Range Organics (C6-C10)	92.0	40.0	100	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	16.0		16.0		100	70-130			

100

16.0

Source: E410152-14

89.0

98.5

ND

Prepared: 10/16/24 Analyzed: 10/16/24

20

3.30

70-130

70-130

#### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/22/2024 2:18:53PM

·										
Nonhalogenated Organics by EPA 8015D - DRO/ORO									Analyst: NV	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2442106-BLK1)							Prepared: 1	0/16/24 An	alyzed: 10/17/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	50.7		50.0		101	50-200				
LCS (2442106-BS1)							Prepared: 1	0/16/24 An	alyzed: 10/17/24	
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132				
Surrogate: n-Nonane	52.2		50.0		104	50-200				
Matrix Spike (2442106-MS1)				Source:	E410161-2	24	Prepared: 1	0/16/24 An	alyzed: 10/17/24	
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132				
Surrogate: n-Nonane	53.8		50.0		108	50-200				
Matrix Spike Dup (2442106-MSD1)				Source:	E410161-2	24	Prepared: 1	0/16/24 An	alyzed: 10/17/24	
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	2.70	20		
Surrogate: n-Nonane	51.4		50.0		103	50-200				

Matrix Spike Dup (2442095-MSD1)

Chloride

306

#### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 23	eorge Well Pa 3003-0002 shley Gioveng				10	<b>Reported:</b> 0/22/2024 2:18:53PM
		Anions	by EPA 3	600.0/9056 <i>A</i>	<b>\</b>				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442095-BLK1)							Prepared: 1	0/16/24 An	alyzed: 10/16/24
Chloride	ND	20.0							
LCS (2442095-BS1)							Prepared: 1	0/16/24 An	alyzed: 10/16/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2442095-MS1)				Source:	E410154-	04	Prepared: 1	0/16/24 An	alyzed: 10/16/24
Chloride	298	20.0	250	41.7	102	80-120			

250

20.0

Source: E410154-04

106

80-120

2.56

41.7

#### 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.



Prepared: 10/16/24 Analyzed: 10/16/24

20

#### **Definitions and Notes**

Γ	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/24 14:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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Client Information			Invoice Information		Lab Use Only							TAT			State							
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	e, Zip: Carlst					Ema	ail: agiovengo@ensolum.c	om	]													SDWA CWA RCRA
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Time Sampled	Date Sampled	Matrix	No. of Container	,		9	Sample ID	Field	La Num	b iber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
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envirotech Inc.

Printed: 10/16/2024 10:51:32AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/16/24	08:00	Work Order ID:	E410153
Phone:	(972) 371-5200	Date Logged In:	10/15/24	15:16	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/22/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C	•		-			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	nois concerca.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	mation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	reservation_					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
-	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
			-,	Succentiant East. 1411		
Chent In	<u>istruction</u>					

Date

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

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: George Well Pad

Work Order: E412147

Job Number: 20046-0001

Received: 12/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/20/24

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

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

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

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

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

Date Reported: 12/20/24

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

Project Name: George Well Pad

Workorder: E412147

Date Received: 12/19/2024 7:45:00AM

Ashley Giovengo,

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

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

**Laboratory Administrator** Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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**Southern New Mexico Area** Lynn Jarboe

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

Cell: 505-320-4759

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutodi
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 11:43

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH02-20'	E412147-01A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH02-24'	E412147-02A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH02-28'	E412147-03A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH02-32'	E412147-04A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH02-36'	E412147-05A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH02-40'	E412147-06A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:43:53AM

#### PH02-20' E412147-01

		E412147-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	Frepared	Anaryzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
o,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
Surrogate: n-Nonane		114 %	50-200	12/19/24	12/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2451074
Chloride	4230	200	10	12/19/24	12/19/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:43:53AM

#### PH02-24' E412147-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		88.1 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
Surrogate: n-Nonane		108 %	50-200	12/19/24	12/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2451074
Chloride	1660	200	10	12/19/24	12/19/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:43:53AM

#### PH02-28' E412147-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
Surrogate: n-Nonane		105 %	50-200	12/19/24	12/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2451074
Chloride	4710	200	10	12/19/24	12/19/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:43:53AM

#### PH02-32' E412147-04

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2451066
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0500	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
	89.2 %	70-130	12/19/24	12/19/24	
mg/kg	mg/kg	Analy	st: SL		Batch: 2451066
ND	20.0	1	12/19/24	12/19/24	
	91.7 %	70-130	12/19/24	12/19/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2451073
ND	25.0	1	12/19/24	12/19/24	
ND	50.0	1	12/19/24	12/19/24	
	96.6 %	50-200	12/19/24	12/19/24	
mg/kg	mg/kg	Analy	st: DT		Batch: 2451074
5470	200	10	12/19/24	12/19/24	
	mg/kg ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           89.2 %         mg/kg           mg/kg         mg/kg           ND         20.0           91.7 %         mg/kg           ND         25.0           ND         50.0           96.6 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           89.2 %         70-130           mg/kg         mg/kg         Analys           ND         20.0         1           91.7 %         70-130         1           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1           96.6 %         50-200           mg/kg         mg/kg         Analys	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/19/24           ND         0.0250         1         12/19/24           ND         0.0250         1         12/19/24           ND         0.0500         1         12/19/24           ND         0.0250         1         12/19/24           ND         0.0250         1         12/19/24           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/19/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         12/19/24           ND         25.0         1         12/19/24           ND         50.0         1         12/19/24           ND         50.0         1         12/19/24           Mg/kg         Mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           ND         0.0500         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           89.2 %         70-130         12/19/24         12/19/24           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/19/24         12/19/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         12/19/24         12/19/24           ND         25.0         1         12/19/24         12/19/24           ND         50.0         1         12/19/24         12/19/24           ND         50.0         1         12/19/24         12/19/24           Mg/kg



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:43:53AM

#### PH02-36' E412147-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
Surrogate: n-Nonane		108 %	50-200	12/19/24	12/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2451074
Chloride	2900	200	10	12/19/24	12/19/24	·



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:43:53AM

#### PH02-40' E412147-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
Surrogate: n-Nonane		111 %	50-200	12/19/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2451074
Chloride	2580	200	10	12/19/24	12/19/24	



Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:20046-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/20/2024 11:43:53AM

Dallas TX, 75240		Project Manager:	As	shley Gioveng	o			12/2	0/2024 11:43:53Al		
		Volatile O	rganics b	y EPA 802	1B		Analyst: SL				
Analyte		Reporting	Spike	Source		Rec		RPD			
j	Result	Limit	Level	Result	Rec	Limits	RPD	Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2451066-BLK1)							Prepared: 12	2/19/24 Analy	yzed: 12/19/24		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	6.65		8.00		83.2	70-130					
LCS (2451066-BS1)							Prepared: 12	2/19/24 Analy	yzed: 12/19/24		
Benzene	5.16	0.0250	5.00		103	70-130					
Ethylbenzene	4.99	0.0250	5.00		99.8	70-130					
Toluene	5.11	0.0250	5.00		102	70-130					
o-Xylene	4.95	0.0250	5.00		98.9	70-130					
p,m-Xylene	10.1	0.0500	10.0		101	70-130					
Total Xylenes	15.0	0.0250	15.0		100	70-130					
Surrogate: 4-Bromochlorobenzene-PID	6.63		8.00		82.9	70-130					
LCS Dup (2451066-BSD1)							Prepared: 12	2/19/24 Analy	yzed: 12/19/24		
Benzene	5.14	0.0250	5.00		103	70-130	0.331	20			
Ethylbenzene	5.00	0.0250	5.00		100	70-130	0.223	20			
Toluene	5.11	0.0250	5.00		102	70-130	0.00979	20			
o-Xylene	4.97	0.0250	5.00		99.4	70-130	0.491	20			
p,m-Xylene	10.1	0.0500	10.0		101	70-130	0.277	20			

15.0

8.00

70-130

70-130

0.347

20

0.0250

6.70



#### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:20046-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/20/2024 11:43:53AM

Nonhalogenated Organics	s by EPA 8015D - GRO
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Analyst: SL

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

Blank (2451066-BLK1)						Prepared: 12	2/19/24	Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00	95.3	70-130			
LCS (2451066-BS2)						Prepared: 12	2/19/24	Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	81.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00	97.2	70-130			
LCS Dup (2451066-BSD2)						Prepared: 12	2/19/24	Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	83.4	70-130	2.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00	96.1	70-130			



# **QC Summary Data**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:43:53AM

Result   Mark    Dallas 1A, /3240		Project Manage	r: As	miey Gloveng	30			12	720/2024 11.43.33A	
Result   Limit   Level   Result   Rec   Limits   Rec   Result   Rec   Limits   Rec   Result   Result		Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: NV
Prepared: 12/19/24   Analyzed: 12/19/24	Analyte	Result		-		Rec		RPD		
ND   25.0   ND   50.0   ND		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
ND   50.0   110   50-200   110   5	Blank (2451073-BLK1)							Prepared: 1	2/19/24 Ana	alyzed: 12/19/24
Solution    Diesel Range Organics (C10-C28)	ND	25.0								
Prepared: 12/19/24   Analyzed: 12/19/24	Oil Range Organics (C28-C36)	ND	50.0							
Diesel Range Organics (C10-C28)   292   25.0   250   117   38-132	Surrogate: n-Nonane	55.1		50.0		110	50-200			
Matrix Spike (2451073-MS1)         Source: E412146-01         Prepared: 12/19/24 Analyzed: 12/19/24           Diesel Range Organics (C10-C28)         520         25.0         250         314         82.2         38-132           Outrogate: n-Nonane         55.1         50.0         110         50-200           Matrix Spike Dup (2451073-MSD1)         Source: E412146-01         Prepared: 12/19/24 Analyzed: 12/19/24 Prepared: 12/19/24 Analyzed: 12/19/24 Prepared: 12/19/24 Prepared: 12/19/24 Analyzed: 12/19/24 Prepared: 12/19	LCS (2451073-BS1)							Prepared: 1	2/19/24 Ana	alyzed: 12/19/24
Matrix Spike (2451073-MS1)         Source: E412146-01         Prepared: 12/19/24         Analyzed: 12/19/24           Diesel Range Organics (C10-C28)         520         25.0         250         314         82.2         38-132           Furrogate: n-Nonane         55.1         50.0         110         50-200           Matrix Spike Dup (2451073-MSD1)         Source: E412146-01         Prepared: 12/19/24         Analyzed: 12/19/24           Diesel Range Organics (C10-C28)         529         25.0         250         314         85.7         38-132         1.63         20	Diesel Range Organics (C10-C28)	292	25.0	250		117	38-132			
Diesel Range Organics (C10-C28)   520   25.0   250   314   82.2   38-132	Surrogate: n-Nonane	54.0		50.0		108	50-200			
Source: Range Organics (C10-C28)   55.1   50.0   110   50-200	Matrix Spike (2451073-MS1)				Source:	E412146-0	01	Prepared: 1	2/19/24 Ana	alyzed: 12/19/24
Matrix Spike Dup (2451073-MSD1) Source: E412146-01 Prepared: 12/19/24 Analyzed: 12/19/24	Diesel Range Organics (C10-C28)	520	25.0	250	314	82.2	38-132			
Diesel Range Organics (C10-C28) 529 25.0 250 314 85.7 38-132 1.63 20	Surrogate: n-Nonane	55.1		50.0		110	50-200			
	Matrix Spike Dup (2451073-MSD1)				Source:	E412146-0	01	Prepared: 1	2/19/24 Ana	alyzed: 12/19/24
Surrogate: n-Nonane 55.8 50.0 112 50-200	Diesel Range Organics (C10-C28)	529	25.0	250	314	85.7	38-132	1.63	20	
	Surrogate: n-Nonane	55.8		50.0		112	50-200			



## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number: Project Manager:	George Well Pad 20046-0001 Ashley Giovengo	Reported: 12/20/2024 11:43:53AM
	Analyst: DT		

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2451074-BLK1)							Prepared: 12	2/19/24 Anal	yzed: 12/19/24
Chloride	ND	20.0							
LCS (2451074-BS1)							Prepared: 12	2/19/24 Anal	yzed: 12/19/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2451074-BSD1)							Prepared: 12	2/19/24 Anal	yzed: 12/19/24
Chloride	257	20.0	250		103	90-110	0.0397	20	

#### QC Summary Report Comment:

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



## **Definitions and Notes**

l	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	20046-0001	Reported:
١	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 11:43

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Page	1 of 1
-	_

10:53 12	Goerge Welnager: Ash 8122 Nation Zip: Carlst 5-988-0055 ovengo@er  Date Sampled 2//7/24	II Pad aley Giov nal Parks pad NM, s assolum.ce	engo Hwy 88220	Sample Info	Company: Ensolum LLC Address: 3122 National Parks City, State, Zip: Carlsbad NM, Phone: 575-988-0055 Email: agiovengo@ensolum Miscellaneous:	88220 i.com			214=	}		lysis	2002	Met		2D 3I	D Std	NM CO UT X  EPA Progra SDWA CWA  Compliance Y	am RCRA
Project Mar Address: 31 City, State, 2 Phone: 575 Email: agio	nager: Ash 8122 Nation Zip: Carlst 5-988-0055 ovengo@er  Date Sampled 2/17/24	nley Giovanal Parks pad NM, 5 nsolum.co	Hwy 88220 om	Sample Info	City, State, Zip: Carlsbad NM, Phone: 575-988-0055 Email: agiovengo@ensolum Miscellaneous:	88220 i.com				}	Ana	lysis			hod	X		EPA Progra SDWA CWA	RCRA
Address: 31 City, State, 2 Phone: 575 Email: agiou  Time Sampled Da  10:53 12	3122 Nation Zip: Carlsb 5-988-0055 ovengo@er	mal Parks pad NM, 5 msolum.co	Hwy 88220 om	Sample Info	Phone: 575-988-0055 Email: agiovengo@ensolum Miscellaneous:	i.com		AV. 8015.	y 8015 y 8015				and	Met	hod			SDWA CWA	RCRA
City, State, 2 Phone: 575 Email: agio  Time Sampled Da  10:53 12	Zip: Carlsb 5-988-0055 ovengo@er Date Sampled 2/17/24	oad NM, solum.co	88220 om	Sample Info	Email: agiovengo@ensolum Miscellaneous:			hv 8015	y 8015 y 8015				and	Met	hod			SDWA CWA	RCRA
Phone: 575 Email: agio  Time Sampled Da  10:53 12	2/17/24	Matrix	No. of	Sample Info	Miscellaneous:			A 100 M	y 8015 y 8015										
Time Sampled Da 10:53 12	2/17/24	Matrix	No. of	Sample Info	rmation	<u> </u>		hv. 8015	y 8015 y 8015									Compliance Y	or N
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sampled Da 10:53 12	2/17/24 2/17/24	5		Sample Info		<u> </u>		1 4		-	0	0.	-	×	als			PWSID#	
sampled Da 10:53 12	2/17/24 2/17/24	5			Sample ID	0 9		_ 0	RO b	/ 802	826	e 300	N.	05 - T	Met			100000	
1102 17	2/17/24		1			Field	Lab Numb	er 2	DRO/ORO by 8015 GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks	
	7 7 7	-			PHO2-20'		1						X						
	7 7 7	5	1		PHO2-24'		2						X						
1109 12	2/17/24	5	1		PHO2-281		3						X						
	12/17/24	5			E" PHO2-32'		4					П	X						
	2/17/24	5	1				5						X						
	12/17/24	5	1		PHOZ -3C'		6	10					X						
								4	+										
								+	+										
Additional	  Instruction	ns: Plea	ase CC: cbur	rton@ensolum	.com, agiovengo@ensolum.com	, chamilto	n@en	solum	n.com	iestr	ella@	ens	olum	n.con	n, bde	eal@e	nsolun	n.com,	
bsimmons@	@ensolum	.com						A - Prestor											
I, (field sampler) Sampled by:		validity and			vare that tampering with or intentionally mist	abeling the sa	mple loca	ition, da	ate or tir	ne of co	llection	is cor	nsidere	ed frau	d and n	nay be gr	ounds fo	r legal action.	
Relinquished by:		0	Date	Time	Retained by (Signature)	a Date		Tin	me				Sample	es requi	iring the	rmal prese	ervation m	nust be received on ice the da	ay they are
Neilildolshed (	by. (Signatur	51		10000	Wickelle Gonz	alez i)	1874	1	08	30		-3						g temp above 0 but less tha	
Religguished I	by: (Signatur	e) .	Date	Time	Received by: (Signature)	Date			me	, –			suhsen	ment d	avs		Lab II	se Only	
Relinquished to	whe G	onzal	es Di	8-24 160			-18-2			0			Rece	eived	on ic		Ø/ N		
Relinguished b	by: (Signatur	e)	Date	Time	Received by (Signature)	Date	10 0	Tir	me				1,200	CIVEU	. 01110				
1//	6		12-15	V-24 214	Nee Soto	12-	-19-2	ce 1	070	15			T1			T	2	T3	
Refinquished t	by: (Signatur	e)	Date	Time	Received by: (Signature)	Date		Tir	me	.,			AVG	i Ten	np °C	4			
Sample Matrix:	: S - Soil, Sd - Sc	olid, Sg - Sluc	dge, A - Aqueous	s, O - Other		Con	tainer	ype: g	g - glas	s, p -	poly/p	olasti	c, ag	- amb	oer gla	ass, v -	VOA		
Note: Samples	es are discard	ed 14 days	after results a	are reported unles	s other arrangements are made. Hazard	ous samples	and House												

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Printed: 12/19/2024 12:12:38PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

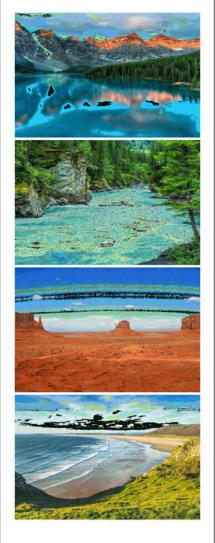
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/19/24 0	7:45	Work Order ID:	E412147
Phone:	(972) 371-5200	Date Logged In:	12/18/24 1	6:28	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/20/24 1	7:00 (1 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Courier	<u>.</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C			-			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	nois concerca.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	mation.	Yes			
	ate/Time Collected?		No			
C	ollectors name?		No			
Sample P	reservation_					
21. Does t	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does 1	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and i	-		Subcontract Lab: NA		
		i so wiio.	1121	Subcontract Lab. IVA		
Chent in	<u>struction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: George Well Pad

Work Order: E412148

Job Number: 23003-0002

Received: 12/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/20/24

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

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

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

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

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

Date Reported: 12/20/24

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

Project Name: George Well Pad

Workorder: E412148

Date Received: 12/19/2024 7:45:00AM

Ashley Giovengo,

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

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

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

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

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

Respectfully,

Walter Hinchman

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

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Client Representative

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#### **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 11:46

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH01-20'	E412148-01A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH01-24'	E412148-02A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH01-28'	E412148-03A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
PH01-32'	E412148-04A Soil	12/17/24	12/19/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:46:24AM

#### PH01-20' E412148-01

		E412148-01				
Auchan	Result	Reporting Limit	Dilution	D	A l	Notes
Analyte	Resuit	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Coluene	ND	0.0250	1	12/19/24	12/19/24	
-Xylene	ND	0.0250	1	12/19/24	12/19/24	
,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		89.9 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	12/19/24	12/19/24	
Sonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2451073
viesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
Surrogate: n-Nonane		111 %	50-200	12/19/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2451074
Chloride	979	200	10	12/19/24	12/19/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:46:24AM

#### PH01-24' E412148-02

		ъ				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
-				•	Tillalyzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy			Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		88.5 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
Surrogate: n-Nonane		111 %	50-200	12/19/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2451074
Chloride	1290	200	10	12/19/24	12/19/24	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:46:24AM

#### PH01-28' E412148-03

	L-1121-10 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2451066
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
ND	0.0500	1	12/19/24	12/19/24	
ND	0.0250	1	12/19/24	12/19/24	
	88.2 %	70-130	12/19/24	12/19/24	
mg/kg	mg/kg	Analyst: SL			Batch: 2451066
ND	20.0	1	12/19/24	12/19/24	
	91.6 %	70-130	12/19/24	12/19/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2451073
ND	25.0	1	12/19/24	12/20/24	
ND	50.0	1	12/19/24	12/20/24	
	116 %	50-200	12/19/24	12/20/24	
mg/kg	mg/kg	Analy	st: DT		Batch: 2451074
978	200	10	12/19/24	12/19/24	
	mg/kg ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           88.2 %         mg/kg           mg/kg         mg/kg           ND         20.0           91.6 %         mg/kg           ND         25.0           ND         50.0           116 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           88.2 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           91.6 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           116 %         50-200           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/19/24           ND         0.0250         1         12/19/24           ND         0.0250         1         12/19/24           ND         0.0500         1         12/19/24           ND         0.0250         1         12/19/24           ND         0.0250         1         12/19/24           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/19/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         12/19/24           ND         25.0         1         12/19/24           ND         50.0         1         12/19/24           ND         50.0         1         12/19/24           Mg/kg         mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           ND         0.0500         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           ND         0.0250         1         12/19/24         12/19/24           88.2 %         70-130         12/19/24         12/19/24           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         12/19/24         12/19/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         12/19/24         12/20/24           ND         50.0         1         12/19/24         12/20/24           ND         50.0         1         12/19/24         12/20/24           ND         50.0         1         12/19/24         12/20/24           ND



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:46:24AM

#### PH01-32' E412148-04

		2712170 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	st: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	12/19/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2451073
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
Surrogate: n-Nonane		104 %	50-200	12/19/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2451074
Chloride	421	200	10	12/19/24	12/19/24	



Surrogate: 4-Bromochlorobenzene-PID

6.70

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo12/20/2024 11:46:24AM

Dallas TX, 75240		Project Manager	: As	shley Gioveng	go			12/	20/2024 11:46:24AM
		Volatile Organics by EPA 8021B							Analyst: SL
lyte	Result	Reporting Limit	Spike Level		Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2451066-BLK1)							Prepared: 12	2/19/24 Ana	lyzed: 12/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Coluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
urrogate: 4-Bromochlorobenzene-PID	6.65		8.00		83.2	70-130			
LCS (2451066-BS1)							Prepared: 12	2/19/24 Ana	lyzed: 12/19/24
Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.8	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
o,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.63		8.00		82.9	70-130			
LCS Dup (2451066-BSD1)							Prepared: 12	2/19/24 Ana	lyzed: 12/19/24
Benzene	5.14	0.0250	5.00		103	70-130	0.331	20	
Ethylbenzene	5.00	0.0250	5.00		100	70-130	0.223	20	
Toluene	5.11	0.0250	5.00		102	70-130	0.00979	20	
o-Xylene	4.97	0.0250	5.00		99.4	70-130	0.491	20	
o,m-Xylene	10.1	0.0500	10.0		101	70-130	0.277	20	
Total Xylenes	15.1	0.0250	15.0		101	70-130	0.347	20	

8.00

83.7

70-130



#### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo12/20/2024 11:46:24AM

Nonhalogenated Org	anics by EPA 8015D - GRO
--------------------	--------------------------

Analyst: SL

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

Blank (2451066-BLK1)						Prepared: 12	2/19/24	Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00	95.3	70-130			
LCS (2451066-BS2)						Prepared: 12	2/19/24	Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	81.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00	97.2	70-130			
LCS Dup (2451066-BSD2)						Prepared: 12	2/19/24	Analyzed: 12/19/24
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	83.4	70-130	2.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00	96.1	70-130			



### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo12/20/2024 11:46:24AM

Dullus 171, 732 10		Troject Manage		mey Groveng	50				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2451073-BLK1)							Prepared: 1	2/19/24 Anal	yzed: 12/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.1		50.0		110	50-200			
LCS (2451073-BS1)							Prepared: 1	2/19/24 Anal	yzed: 12/19/24
Diesel Range Organics (C10-C28)	292	25.0	250		117	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			
Matrix Spike (2451073-MS1)				Source:	E412146-0	01	Prepared: 1	2/19/24 Anal	yzed: 12/19/24
Diesel Range Organics (C10-C28)	520	25.0	250	314	82.2	38-132			
Surrogate: n-Nonane	55.1		50.0		110	50-200			
Matrix Spike Dup (2451073-MSD1)				Source:	E412146-	01	Prepared: 1	2/19/24 Anal	yzed: 12/19/24
Diesel Range Organics (C10-C28)	529	25.0	250	314	85.7	38-132	1.63	20	
Surrogate: n-Nonane	55.8		50.0		112	50-200			



# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	George Well Pad 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/2024 11:46:24AM

		Anions	by EPA 3	00.0/9056A	<b>L</b>				Analyst: DT
	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
n	ng/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Anions by EPA 300.0/9056A

Blank (2451074-BLK1)						Prepared: 12	/19/24	Analyzed: 12/19/24
Chloride	ND	20.0						
LCS (2451074-BS1)						Prepared: 12	/19/24	Analyzed: 12/19/24
Chloride	257	20.0	250	103	90-110			
LCS Dup (2451074-BSD1)						Prepared: 12	/19/24	Analyzed: 12/19/24
Chloride	257	20.0	250	103	90-110	0.0397	20	

### QC Summary Report Comment:

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



# **Definitions and Notes**

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/20/24 11:46

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.

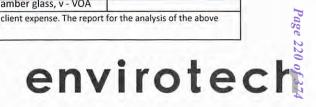
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



	Page	0	f_/	R
ate T	TX			Received by OCD: 1/13/2025 9:07:18 AM
				OCI
ra	m			.9
	RCRA	-		1/13
1	or N			3/2025
ks				9:07:1
				8 AM

	Clier	nt Inform	nation			Invoice Information				La	b Us	se Or	ly				TA	AT		Sta	ate
Client: N	Matador Prod	uction C	ompany		Co	ompany: Ensolum LLC		Lab	WO	#		Job	Num	ber		1D	2D	3D S	td I	IM CO L	TX TX
Project:	George Well	Pad			Ac	ddress: 3122 National Parks Hwy	/	_ E	112	148		23	003	-00	02		X				
Project N	Manager: Asl	nley Giov	engo		Cit	ty, State, Zip: Carlsbad NM, 8822	20														
Address:	3122 Nation	nal Parks	Hwy			one: 575-988-0055		_				Ana	lysis	and	Met	hod				EPA Prog	1700000
	te, Zip: Carls		88220		Er	mail: agiovengo@ensolum.com	1												SDW	A CWA	RCRA
	575-988-005				Mis	scellaneous:															
Email: a	giovengo@e	nsolum.c	om						015	215									-		Y or N
									by 8	by 8(	121	99	0.00	Σ	×	stals			PWSI	)#	
			_	Sam	ple Informati	ion	L	1.15	80	ORO	34 80	y 82	de 30	ż	- 500	8 M				Remar	lea
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Kelliai	KS
# <del>10:52</del> 12:52	12/17/2024	S	1			PH01 - 20'		1						х							
12:55	12/17/2024	S	1			PH01 - 24'		2						х							
12:58	12/17/2024	S	1			PH01 - 28'		3						х							
13:14	12/17/2024	S	1			PH01 - 32'		4						х							
Addition	nal Instructio	ns: Held	on Ice.	Please CC	: cburton@e	nsolum.com, agiovengo@ensolu	ım.co	m, iestre	ella@	enso	lum.	com,	cha	milto	n@e	ensol	um.c	om, b	simmons	@ensolun	n.com
	pler), attest to the		1		ole. I am aware th	at tampering with or intentionally mislabelin	g the sa	mple locatio	on, date	e or tim	e of co	ollectio	n is co	nsidere	ed frau	ud and	may b	e grounds	for legal ac	tion.	
Relinquish	ned by: (Signatu	re)	Date		Time 7:30	Received by: (Signature)  Received by: (Signature)	Date 13	1824	Time	383	0			sample		eceived				eived on ice the ove 0 but less th	
Religuish	ned by Signatu Welle G	re)	les Date	1824	1600	11/1	Date /Z	18-24	Time					Rec	eived	d on	ice:	Lab	Use Onl N	У	
1/	ned by: (Signatu		Date /Z	-18-24	7 2145	Received by: (Signature)  Received by: (Signature)	12	18-24	D	74	5			<u>T1</u>				<u>T2</u>		<u>T3</u>	
Relinquish	ned by: (Signatu	re)	Date		Time	Received by: (Signature)	Date		Time	9				AVG	Ten	np°C	-	1			
Sample Ma	trix: S - Soil, Sd - S	iolid, <b>Sg</b> - Slu	idge, A - Aqu	eous, <b>0</b> - Oth	er	er arrangements are made. Hazardous sa		tainer Ty					plasti	c, ag	- ami	ber g	lass, \	- VOA			

(



Page 221 of 374

Printed: 12/19/2024 12:13:10PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/19/24 0	07:45	Work Order ID:	E412148
Phone:	(972) 371-5200	Date Logged In:	12/18/24 1	.6:33	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:		17:00 (1 day TAT)	86	
Chain of	Custody (COC)					
1. Does th	e sample ID match the COC?		Yes			
2. Does th	e number of samples per sampling site location mat	ch the COC	Yes			
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: Cou	<u>irier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes			
	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes	_	Comme	nts/Resolution
	urn Around Time (TAT)		3.7			
	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	ample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes			
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>			
Sample C						
-	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
19. Is the a	ppropriate volume/weight or number of sample contain	ers collected?	Yes			
Field Lab	<del></del>					
	field sample labels filled out with the minimum info	rmation:	3.7			
	umple ID? ate/Time Collected?		Yes			
	ollectors name?		Yes No			
	reservation		NO			
	the COC or field labels indicate the samples were pr	eserved?	No			
	mple(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved m	etals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multiphas	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
		zcu.	INA			
	act Laboratory					
	imples required to get sent to a subcontract laborator	-	No			
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab: N	IA .	
Client In	struction					

Date



# **APPENDIX E**

NMOCD Correspondence

From: <u>Hamlet, Robert, EMNRD</u>

To: Ashley Giovengo; clinton.talley@matadorresources.com; Jason Touchet

Cc: Cole Burton; Chad Hamilton; Ethan Haft; Israel Estrella; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez,

Nelson, EMNRD

Subject: Extension Request - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

**Date:** Wednesday, January 31, 2024 3:45:43 PM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

### [ \*\*EXTERNAL EMAIL\*\*]

### Ashley,

The way the new OCD Permitting Incident Page is set up, we can only give a 90 day extension from the day it is requested. That would extend the deadline for a Remediation Closure Report until 4/30/2024. Your request for an extension to **April 30, 2024** is approved. If you feel additional time is needed, you can request an additional extension near the deadline. We will review the request at that time.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Wednesday, January 31, 2024 11:50 AM

**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

**Cc:** Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Ethan Haft <ehaft@ensolum.com>; Israel Estrella <iestrella@ensolum.com>

**Subject:** [EXTERNAL] Extension Request - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

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

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of February 24, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the George Well Pad (Incident Number nAPP2333038378). The release occurred on November 26, 2023, and initial site assessment and delineation activities have been completed. Currently, a drilling rig is onsite and remediation within the vicinity of the spill area is not possible. In addition to the drilling rig onsite, Matador would like to establish depth to water within a 0.5-mile radius of the Site. Matador will contract a licensed well driller to complete a depth to water boring within the next 90 days. The well log and file will be submitted to the New Mexico Office of the State Engineer (NMOSE) and included in the remediation work plan or closure report. Matador intends to remediate the spill area when drilling activities at the Site have been completed and submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Matador respectfully requests an extension until May 24, 2024.

Thanks,



From: <u>Hamlet, Robert, EMNRD</u>

To: Ashley Giovengo; clinton.talley@matadorresources.com; Jason Touchet

Cc: Chad Hamilton; Cole Burton; Israel Estrella; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson,

**EMNRD** 

Subject: (Final Extension) - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

**Date:** Monday, April 22, 2024 3:36:11 PM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

### [ \*\*EXTERNAL EMAIL\*\*]

RE: Incident #NAPP2333038378

### Ashley,

Your request for a 90 day extension to **July 22nd, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Monday, April 22, 2024 11:34 AM

**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>

**Cc:** Chad Hamilton <chamilton@ensolum.com>; Cole Burton <cburton@ensolum.com>; Israel Estrella <iestrella@ensolum.com>

**Subject:** [EXTERNAL] Extension Request - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

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

All,

Matador Production Company (Matador) is requesting a 2<sup>nd</sup> extension for the current deadline of April 30, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the George Well Pad (Incident Number nAPP2333038378). The release occurred on November 26, 2023, and initial site assessment and delineation activities have been completed. Matador was able to secure landowner permission on March 26, 2024, for the purpose of establishing depth to water (DTW) within a 0.5-mile radius of the Site, however Matador is currently waiting on approval from the New Mexico Office of the State Engineer (NMOSE) for the WR-07 permit (Application for Permit to Drill a Well). Once Matador receives the approved drilling permit, the DTW determination will be completed, and remediation/confirmation sampling of the impacted area will begin. Matador intends to submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Matador respectfully requests an extension until June 29, 2024.

Matador will upload this extension request to the NMOCD web portal following this email submission.

Thanks,



"Your authenticity is your superpower." - Unknown

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

QUESTIONS

Action 288123

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	288123
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

Location of Release Source					
Please answer all the questions in this group.					
Site Name	George Well Pad				
Date Release Discovered	11/26/2023				
Surface Owner	Private				

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
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

aterial(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	Not answered.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other   Frac Tank   Drilling Mud/Fluid   Released: 467 BBL   Recovered: 450 BBL   Lost: 17 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	4" Butterfly Valve open due to no plug-in valve release 450 bbls in containment and 17 bbls on ground.

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

QUESTIONS, Page 2

Action 288123

**QUESTIONS** (continued)

Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	288123	
	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 19.15.29.7(A) NMAC	Yes, major release.			
Reasons why this would be considered a submission for a notification of a major release	Unauthorized release of a volume, excluding gases, of 25 barrels or more			
If YES, was immediate notice given to the OCD, by whom	Clint Talley			
If YES, was immediate notice given to the OCD, to whom	website			
If YES, was immediate notice given to the OCD, when	11/26/2023			
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	website			
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 19.15.29.8 B. (4) 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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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

ACKNOWLEDGMENTS

Action 288123

### **ACKNOWLEDGMENTS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	288123
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### **ACKNOWLEDGMENTS**

V	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
V	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.
V	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.
V	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.
V	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.
V	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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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 288123

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	288123
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### CONDITIONS

Created	Condition	Condition Date
Ву		
c_talley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	11/26/2023

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2333038378
District RP	
Facility ID	
Application ID	

# **Release Notification**

### **Responsible Party**

Responsible Party Matador Production Company			OGRID 22	OGRID 228937			
Contact Name Clint Talley				Contact Te	Contact Telephone (337) 319-8398		
Contact email clinton.talley@matadorresources.com				Incident #	(assigned by OCD)	nAPP2333038378	
Contact mail Texas 75240	_	5400 Lyndon B Jo	hnson Fwy, Dallas	S,			
			Location	of Release So	ource		
Latitude 32.21	286		(NAD 83 in dec	Longitude - imal degrees to 5 decin			
Site Name Ge	eorge Well F	Pad		Site Type			
Date Release	Discovered	11/26/2023		API# (if app	olicable)		
Unit Letter	Section	Township	Range	Cour	nty		
Е	14	24S	28E	Edd	ly		
	Materia	l(s) Released (Select al		Volume of l		volumes provided below)	
Crude Oi		Volume Release			Volume Recovered (bbls)		
Produced	Water	Volume Release	d (bbls) 233.5 bbls	S	Volume Recovered (bbls) 225 bbls		
Is the concentration of dissolved chloride in produced water >10,000 mg/l?		hloride in the	⊠ Yes □ No				
Condensa	nte	Volume Release	d (bbls)		Volume Recovered (bbls)		
Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units) 233.5 bbls of Diesel			units)	Volume/Weight Recovered (provide units) 225 bbls of Diesel			
inside the pla	astic berm an		bls of the mixture s			vas released on-pad. 450 bbls were held and impacted an area on-pad. An initial	

Received by OCD: 1/13/2025/9:07:18 1/14 State of New Mexico
Page 2 Oil Conservation Division

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Page.	1-2/8	non.	rĸ	
1 460	140	200	I U	<i>y</i> 3

Incident ID	nAPP2333038378
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the response Volume exceeded 25 bbls.	sible party consider this a major release?
19.15.29.7(A) NMAC?		
⊠ Yes □ No		
If VES was immediate n	otica given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	ten to NMOCD on 11/26/2023 via website.	on: when and by what means (phone, email, etc):
	Initial Re	esponse
The responsible p	party must undertake the following actions immediatel	unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
∑ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	I managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
has begun, please attach	a narrative of actions to date. If remedial of	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are	required to report and/or file certain release notif	pest of my knowledge and understand that pursuant to OCD rules and ications and perform corrective actions for releases which may endanger
		CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws
Printed Name: Clint Talle	<u>y</u>	Title: EHS Supervisor
Signature: Clint	Talley	Date: <u>11/27/2023</u>
email: Clinton.talley@ma		Telephone: <u>337-319-8398</u>
OCD Only		
•	1_	Data: 11/28/2022
Received by: Shelly Wel	lls	Date: <u>11/28/2023</u>

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District III 1000 Rio Brazos Rd., Aztec, NM 87410

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

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

CONDITIONS

Action 288877

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	288877
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/28/2023



July 3, 2024

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

Re: Remediation Work Plan

George Well Pad

**Incident Numbers nAPP2333038378** 

**Eddy County, New Mexico** 

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Remediation Work Plan* (RWP) to document assessment and soil sampling activities performed at the George Well Pad (Site) in Unit E, Section 14, Township 24 South, Range 28 East, in Eddy County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to address impacted and waste-containing soil resulting from a 4-inch butterfly valve. Matador is submitting this RWP, describing analytical results from soil sampling activities associated with Incident Number nAPP2333038378 and proposing additional delineation soil sampling, excavation, and confirmation soil sampling activities at the Site prior to submitting a *Closure Request*.

The New Mexico Oil Conservation Division (NMOCD) approved a 90-day extension on January 31, 2024, in order for Matador to establish depth to water within a half-mile radius of the Site. A second 90-day extension was requested due to ongoing drilling operations at the Site. The second extension was approved on April 22, 2024, and the current deadline for submitting a remediation work plan or closure report is July 22, 2024. John Scarborough Drilling, Inc. completed the depth to water determination on June 10, 2024, and depth to groundwater was determined to be greater than 55 feet below ground surface (bgs).

### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Eddy County, New Mexico (32.21286°, -104.05189°) and is associated with oil and gas exploration and production operations on Private Land.

On November 26, 2023, a malfunctioning 4-inch butterfly valve resulted in the release of over 46 barrels (bbls) of drilling mud onto the caliche pad; 450 bbls were recovered. Matador reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on November 28, 2023 (Appendix A). The release was assigned Incident Number nAPP2333038378.

### SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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



The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04828 POD 1, located approximately 0.22 miles northeast of the Site. The boring was drilled to investigate depth to water for the Site on June 10, 20214. The well was drilled to a total depth of 55 feet below ground surface (bgs). The boring was allowed to equilibrate for at least 72 hours to allow for potentially slow in-filling groundwater to collect. Following the waiting period, groundwater was not encountered, and it has been determined that groundwater is greater than 55 feet bgs. All wells used for depth to groundwater determination are presented in Figure 1. The referenced well log and record is included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland, located approximately 686 feet west 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 (medium potential karst designation area). Site receptors are identified in Figure 1.

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

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

### SITE ASSESSMENT ACTIVITIES

On December 5 and December 6, 2023, Ensolum personnel were onsite to begin delineation sampling of the on-pad spill area. Preliminary assessment soil samples (SS01 through SS08) were collected at ground surface to verify the lateral extent of the release area. Four pothole samples, (PH01 through PH04) were advanced via backhoe at depths ranging from ground surface to 4 feet bgs to verify the vertical extent of the release area.

Samples were field screened for chloride utilizing Hach® chloride QuanTab® test strips and MOHR method titration. Preliminary assessment soil samples and the four pothole locations are depicted on Figure 2. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C. A photographic log including delineation and excavation activities can be found in Appendix D.

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



### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01, SS02, SS05, and SS08, collected at ground surface were in compliance with the strictest Closure Criteria and with the Site Closure Criteria. Lateral delineation soil samples SS03, SS04, SS06 and SS07 exceeded the strictest Closure Criteria per NMOCD Table I at ground surface; however, all COC concentrations were in compliance with the Site Closure Criteria. Discrete delineation soil samples collected from potholes PH01 and PH02 exceed the strictest Closure Criteria at 1-foot bgs and 4 feet bgs respectively and discrete delineation samples from PH01 exceeded the Site Closure Criteria for TPH at ground surface. Discrete delineation soil samples collected from potholes PH03 and PH04 were in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs; discrete delineation soil samples collected from all four potholes (PH01 through PH04) were all in compliance with the Site Closure Criteria. Laboratory analytical results for delineation soil samples are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix E.

### PROPOSED REMEDIATION WORK PLAN

The results of the delineation soil sampling suggest soil containing elevated concentrations of chloride exist in the release area, which measures approximately 8,698 square feet in size. The on-pad release area will require a surface scrape via mechanical equipment once the drilling rig onsite has been rigged down and relocated. Based on laboratory analytical results from delineation soil sampling activities, Ensolum personnel will need to return to the Site in order to recollect lateral delineation soil samples SS03, SS04, SS06, and SS07 and to advance potholes PH01 and PH02 in accordance with the strictest Closure Criteria. Lateral delineation soil samples SS01, SS02, SS05, and SS08 collected at ground surface and discrete delineation soil samples collected from potholes PH03 and PH04 at depths ranging ground surface to 4 feet bgs indicated all COC's were in compliance with the strictest Closure Criteria and with the Site Closure Criteria. Matador proposes excavation of the impacted soil and Ensolum estimates approximately 161 cubic yards of soil will be excavated from the impacted area.

Matador proposes to complete the following remediation activities:

- Complete lateral delineation in the vicinity of sample locations SS03, SS04, SS06, and SS07 and complete vertical delineation in potholes PH01 and PH02 to the strictest Closure Criteria per NMOCD Table I.
- A surface scrape of the impacted area on-pad to a depth of 0.5 feet bgs or until field screening of soil indicates the floor of the excavation will be in compliance with the Site Closure Criteria.
- Confirmation samples will be collected at a variance frequency of one five-point composite soil sample every 400 square feet from the floor of the excavation and at a frequency of every 200 square feet from the sidewalls of the excavation. Based on the areal extent of the on-pad excavation area, the variance request will be equally protective of human health, the environment, and groundwater since depth to ground water is reasonably estimated to be greater than 55 feet bgs, there are no other sensitive receptors in the vicinity of the Site, and impacted and waste-containing soil will be adequately delineated to demonstrate compliance with an expanded frequency of confirmation sampling.
- An estimated 161 cubic yards of impacted soil will be excavated. The excavated soil will be transferred to a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

Matador will complete the proposed soil sampling activities within 180 days of the date of approval of this Work Plan by the NMOCD or as the drilling schedule allows.



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

Sincerely, **Ensolum, LLC** 

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

### Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Proposed Excavation Extent

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)

Appendix A Form C-141

Appendix B Well Log and Record

Appendix C Lithologic Soil Sampling Logs

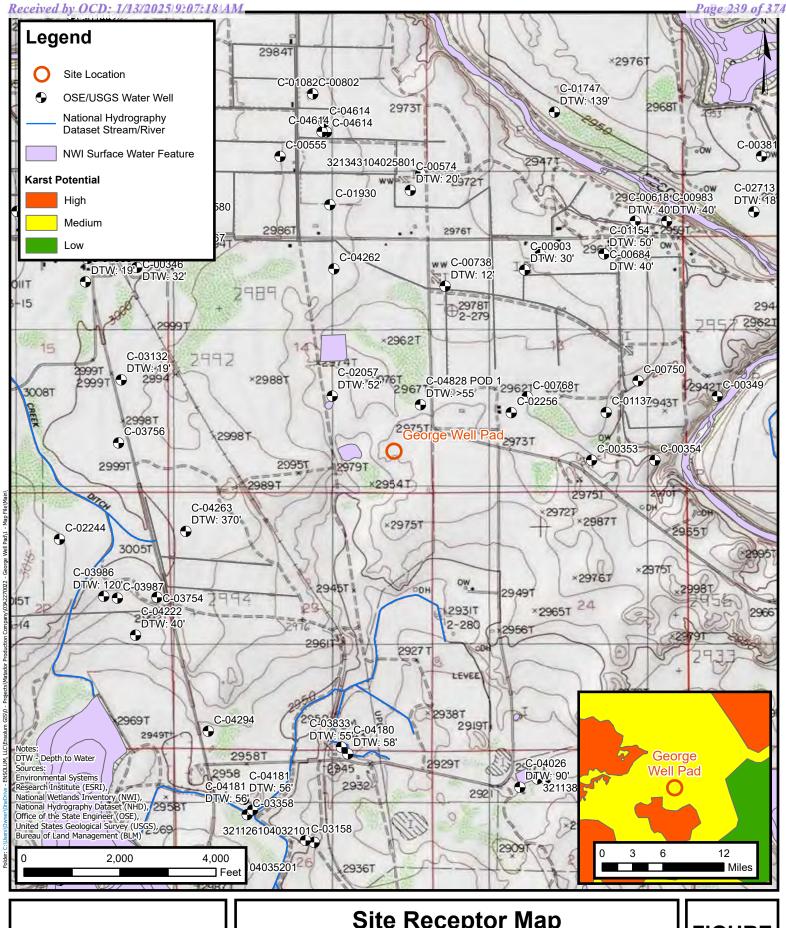
Appendix D Photographic Log

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

Appendix F NMOCD Correspondence



**FIGURES** 

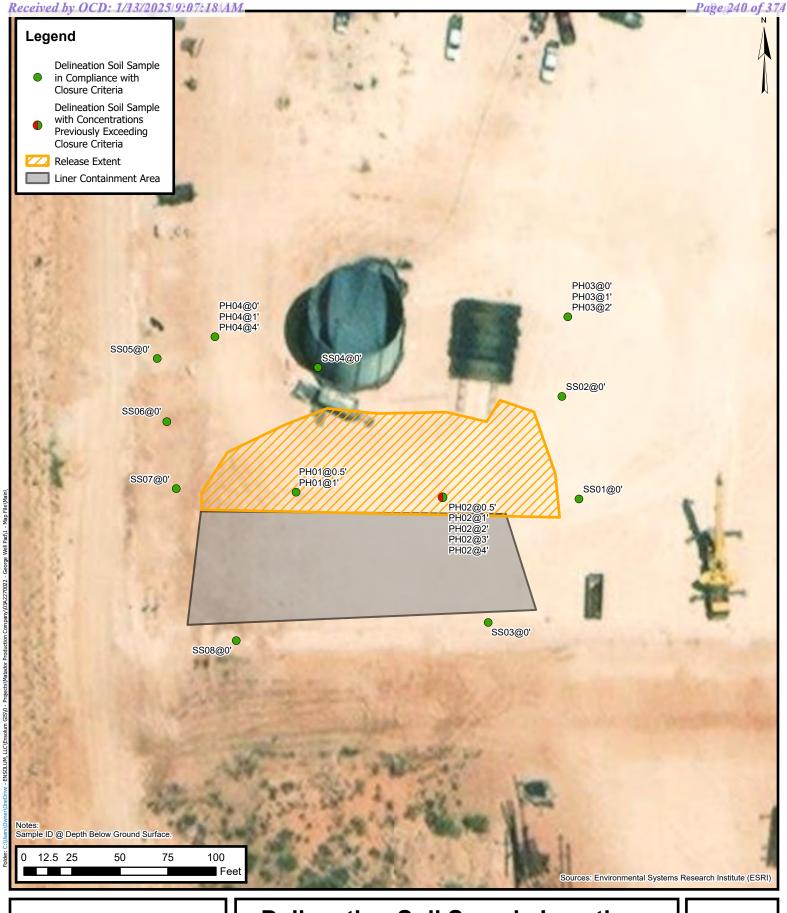




# Site Receptor Map

Matador Production Company George Well Pad Incident Number: nAPP2333038378 Unit E, Section 14, T 24S, R 28E Eddy County, New Mexico

**FIGURE** 





# **Delineation Soil Sample Locations**

Matador Production Company George Well Pad Incident Number: nAPP2333038378 Unit E, Section 14, T 24S, R 28E Eddy County, New Mexico FIGURE 2

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**TABLES** 



### **TABLE 1**

### **SOIL SAMPLE ANALYTICAL RESULTS**

**George Well Pad Matador Production Company Eddy County, New Mexico** 

					o ouncy, non-m						
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000	
				Delin	neation Soil San	nples					
SS01	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	183	
SS02	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	391	
SS03	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	610	
SS04	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	634	
SS05	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	248	
SS06	12/6/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	3,870	
SS07	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	834	
SS08	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	194	
PH01	12/5/2023	0.5	<0.0250	<0.0250	<20.0	60.6	<50.0	<25.0	60.6	403	
PH01	12/5/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	827	
PH02	12/5/2023	0.5	<0.0250	<0.0250	<20.0	1,210	<50.0	1,210	1,210	1,370	
PH02	12/5/2023	1	<0.0250	<0.0250	<20.0	555	<50.0	555	555	1,230	
PH02	12/5/2023	2	<0.0250	<0.0250	<20.0	168	<50.0	<25.0	168	896	
PH02	12/5/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	572	
PH02	12/5/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	765	
PH03	12/5/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	381	
PH03	12/5/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	442	
PH03	12/5/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	454	
PH04	12/5/2023	0	<0.0250	<0.0250	<20.0	95.7	<50.0	95.7	95.7	668	
PH04	12/5/2023	1	<0.0250	<0.0250	<20.0	99.1	76.0	175.1	175.1	386	
PH04	12/5/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200	

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



**APPENDIX A** 

Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2333038378
District RP	
Facility ID	
Application ID	

# **Release Notification**

### **Responsible Party**

Responsible	Party Matad	lor Production Cor	npany	OGRID 22	OGRID 228937					
Contact Nam	ne Clint Talle	ey		Contact Te	Contact Telephone (337) 319-8398					
Contact ema	il clinton.tal	ley@matadorresou	irces.com	Incident #	Incident # (assigned by OCD) nAPP2333038378					
Contact mail Texas 75240	_	5400 Lyndon B Jo	hnson Fwy, Dallas	S,						
			Location	of Release So	ource					
Latitude 32.21	286		(NAD 83 in dec	Longitude - imal degrees to 5 decin						
Site Name Ge	eorge Well F	Pad		Site Type						
Date Release	Discovered	11/26/2023		API# (if app	olicable)					
Unit Letter	Section	Township	Range	Cour	nty					
Е	E 14 24S 28E				ly					
	Materia	l(s) Released (Select al		Volume of l		volumes provided below)				
Crude Oi		Volume Release			Volume Reco					
Produced	Water	Volume Release	d (bbls) 233.5 bbls	S	Volume Recovered (bbls) 225 bbls					
		Is the concentrate produced water	tion of dissolved cl >10,000 mg/l?	hloride in the	⊠ Yes □ N	0				
Condensa	nte	Volume Release	d (bbls)		Volume Reco	vered (bbls)				
Natural C	das	Volume Release	d (Mcf)		Volume Reco	vered (Mcf)				
Other (de	escribe)	Volume/Weight 233.5 bbls of Di	Released (provide esel	units)	Volume/Weight Recovered (provide units) 225 bbls of Diesel					
inside the pla	astic berm an		bls of the mixture s			vas released on-pad. 450 bbls were held and impacted an area on-pad. An initial				

Received by OCD: 1/13/2025/92:07:18 AMM State of New Mexico Page 2 Oil Conservation Division

Page 245 of 374
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Incident ID	nAPP2333038378
District RP	
Facility ID	
Application ID	

XX7	ICVEC Company (a) 1 and 1	
Was this a major	If YES, for what reason(s) does the response Volume exceeded 25 bbls.	isible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Volume exceeded 25 bbis.	
19.13.29.7(11) 1371110.		
⊠ Yes □ No		
If VES was immediate no	tice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	ren to NMOCD on 11/26/2023 via website.	on: When and by what means (phone, eman, etc):
S		
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediately	y unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	I managed appropriately.
_	d above have <u>not</u> been undertaken, explain v	
If all the actions described	a above have <u>not</u> been undertaken, explain v	wily.
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence r	emediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred
within a lined containmer	nt area (see 19.15.29.11(A)(5)(a) NMAC), p	lease attach all information needed for closure evaluation.
I hereby certify that the info	rmation given above is true and complete to the	pest of my knowledge and understand that pursuant to OCD rules and
		cications and perform corrective actions for releases which may endanger
		CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
		responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name: Clint Talle	W	Title: EHS Supervisor
		Tue. Etto supervisor
Signature: Clint	Talley	Date: <u>11/27/2023</u>
	U	T. 1
email: Clinton.talley@ma	tadorresources.com	Telephone: <u>337-319-8398</u>
OCD Only		
Received by: Shelly Wel	lls	Date: 11/28/2023
The state of the s		

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 288877

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	288877
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/28/2023



**APPENDIX B** 

Well Log and Record

PAGE 1 OF 2

WELL TAG ID NO.



NC	OSE POD NO (W POD 1	ELL NO	)		WELL TAG ID NO N/A			OSE FILE NO						
CATIC	WELL OWNER N Matador Produ		Company					PHONE (OPTIONAL)						
VELL LO	WELL OWNER N R347 N26th R		ADDRESS reet 2nd Floor					CITY Artesia		STATE NM 88210	ZIP			
1. GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)		DE TTUDE NGITUDE	GREES MINUTES SECONDS 32 12 56.0 N 104 03 00.3 W			* ACCURACY REQUIRED: ONE TENTH OF A SECOND  * DATUM REQUIRED: WGS 84							
1. GEN	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE Unit E, Section 14, Township 24S, Range 28E, Eddy County, NM													
	LICENSE NO WD118	3	NAME OF LICENSED		ohn Scarborough				NAME OF WELL DR John Sca	AILLING COMPANY Parborough Drilling In-	c.			
	DRILLING STAR 06/10/202		DRILLING ENDED 06/10/2024	DEPTH OF CO	The section of the se			E DEPTH (FT) 55'		ST ENCOUNTERED (FT N/A				
z	COMPLETED W	ELL IS:	ARTESIAN	✓ DRY HOLE SHALLOW (UNCONFINED)					STATIC WATER LEV	VEL IN COMPLETED W N/A	ELL (FT)			
TIO	DRILLING FLUID:													
RMA	DRILLING METHOD:							ER – SPECIFY:						
DRILLING & CASING INFORMATION	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		and	CASING CONNECTION TYPE (add coupling diameter)		CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches			
& CA	0	55	5.00	Soil Boring				-		100				
NG														
E							_				-			
2. DR		-												
							_				-			
		_					-				-			
_		S. F				44 344 TPD14		ND	AMOUNIT	) America	n or			
ر	DEPTH (fee	-	BORE HOLE DIAM. (inches)		LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL				AMOUNT (cubic feet)	METHO PLACE!				
RIA	FROM	ТО		-	N/A									
IATI														
ARN														
ANNULAR MATERIAL							_							
3. AN														
	OSE INTERNA		1					wn a	0 WELL RECORD	& LOG (Version 04/	80/19)			

LOCATION

	DEPTH (	cet bgl)	100000	COLOR AN	D TYPE OF MATERIAL	ENCOUN	ITERED -	WA	TER	ESTIMATED YIELD FOR	
	FROM	то	THICKNESS (feet)	INCLUDE WATE	R-BEARING CAVITIES plemental sheets to full	OR FRAC	TURE ZONES		RING? / NO)	WATER- BEARING ZONES (gpm)	
	0	10	10	Sand with Gravel,	light brown to tan, fine to	medium w	vith some gravel	Y	√N		
	10	20	10	Sand with Gravel,	light brown to tan, fine to	medium w	ith some gravel	Y	√ N		
1	20	30	10	Sand with Gravel,	light brown to tan, fine to	medium w	vith some gravel	Y	√ N		
1	30	40	10	Gypsum with Gravel, C	Clear with pink to black in	clusions, fi	ine to coarse with gra	Y	√N		
1	40	50	10	Gypsum with Gravel, C	Clear with pink to black in	clusions, fi	ine to coarse with trac	Y	√N		
	50	55	5	Gypsum with Gravel, C	Clear with pink to black in	clusions, fi	ine to coarse with gra	Y	√N		
4. III DECOROGRAPIO DE COMO IL TERMINA	55	55 0 Gypsum with Gravel, Clear w			Clear with pink to black in	clusions, fi	ne to coarse with gra	Y	✓ N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
			111					Y	N		
Н								Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:  PUMP AIR LIFT BAILER OTHER - SPECIFY:					L ESTIN L YIELD	MATED (gpm):	0.00			
IEST; KIG SUFERVISION	WELL TEST  TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.  MISCELLANEOUS INFORMATION:										
5. IES1; R	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:										
SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOI RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEI WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETIO  Scott  Scarborough  Scarborough  Date: 2024.06.26 07 04-55  Doi: 2024.06.20 07 04-55  Doi: 2024.06.20 07 04-55  Doi: 2024.06.20 07 04-55  Doi: 2024.06.20 07 04-55  Date: 2024.06.20 07 04-								LLED A	ND THAT THIS	
ó		SIGNA	TURE OF DRILL	ER / PRINT SIGNEE	NAME				DATE		
FO	R OSE INTER	NAL USE					WR-20 WELL REG	CORD &	LOG (Ve	ersion 04/30/201	
	E NO.	001			POD NO		TRN NO.				
	CATION						TAG ID NO.			PAGE 2 OF	



**APPENDIX C** 

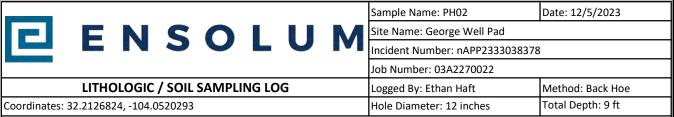
Lithologic Soil Sampling Logs



Comments: Field screening conducted with HACH Chloride Test Strips for chloride. 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
Dry	235	NA	N	PH01	0.5 <u> </u> - -	0.5 -	SM	Pad caliche, carbonate (limestone) clay and gravel. Light gray and powdery.
Dry	590	NA	N	PH01	1 _	1	SP-SM	Brown silt and clay, limestone pebbles and gravel.
Moist	1,300	NA	N	PH01	- - - -	- _ 2 -	SW-SC	Dark brown silt and clay, moist, well sorted. Some limestone pebbles.
Moist	2,300	NA	N	PH01	- - -	- _ 3 -	SW-SC	Same as above
Moist	1,025	NA	N	PH01	- - -	- - 4 -	SW-SC	Same as above
Moist	1,110	NA	N	PH01	- - -	- - 5 -	SW-SC	Same as above
Moist	862	NA	N	PH01	- - -	- _ 6 -	SW-SM	Dark brown silt and clay, thinly bedded mudstone, well sorted.
Moist	1,300	NA	N	PH01	- - -	- - 7 -	SW-SM	Same as above
Moist	1,300	NA	N	PH01	- - -	- - 8 -	SW-SM	Same as above
Moist	862	NA	N	PH01	- - - -	- - 9 -	SP-SC	Dark brown silt and clay with limestone gravel, poor/moderately sorted
Moist	790	NA	N	PH01	- - -	10 -	SP-SC	Same as above
Moist	862	NA	N	PH01	-	- 11	SP-SC	Same as above
Total Denth @ 11 ft has								

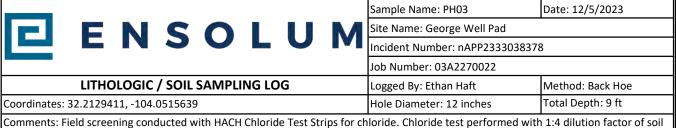
Total Depth @ 11 ft bgs



Comments: Field screening conducted with HACH Chloride Test Strips for chloride. 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
Dry	1,870	NA	N	PH02	0.5 <u> </u> -	0.5	SM	Pad caliche, carbonate (limestone) clay and gravel. Off white to tan.
Dry	1,500	NA	N	PH02	1 _	_ 1 _ 1	SM	Pad caliche, medium brown silt. Limestone pebbles. Moderate sorting.
Dry	1,025	NA	N	PH02	2 _	- _ 2 -	SW-SM	Dark brown silt and clay. Limestone gravel. Moderate sorting.
Moist	790	NA	Υ	PH02	3 _	- _ 3 -	SW-SM	Dark brown to dark gray silt and clay. Some mudstone. Moderate sorting.
Moist	620	NA	N	PH02	4 _	- _ 4 -	SW-SM	Dark brown silt and clay, moderate plasticity. Well sorted, some limestone gravel.
Moist	756	NA	N	PH02	- - -	- - _ 5 -	SW-SM	Same as above
Moist	910	NA	N	PH02	- - -	- - 6 -	SW-SM	Dark brown to reddish silt and clay. Well sorted, some limestone gravel.
Moist	620	NA	N	PH02	- - -	- - - 7 -	SW-SM	Same as above
Moist	1,575	NA	N	PH02	- - - -	- - 8 -	SW-SM	Same as above
Moist	1,810	NA	N	PH02	-	- - 9	SW-SM	Same as above

Total Depth @ 9 ft bgs



Comments: Field screening conducted with HACH Chloride Test Strips for chloride. 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
Dry	350	NA	N	PH03	0 ]	_ 0 - -	SM	Pad caliche, powdery carbonate clay and pebbles. Light off white, moderate sorting.
Moist	500	NA	N	PH03	1 <u>-</u>	_ 1 _	sc	Dark brown clay, high plasticity. well sorted.
Moist	440	NA	N	PH03	2 _	_ _ 2 _	SW-SM	Dark brown silt and clay, low plasticity. Thinly bedded mudstone, well sorted.
Moist	830	NA	N	PH03	- - -	3 3	SW-SM	Same as above
Moist	1,260	NA	N	PH03	- - -	- - - 4 -	SW-SM	Same as above
Moist	1,260	NA	N	PH03	- - -	- - 5 	SW-SM	Dark brown silt and clay, limestone gravel. Thinly bedded mudstone, moderate sorting.
Moist	1,260	NA	N	PH03	- - -	- _ 6 -	SW-SM	Same as above
Moist	990	NA	N	PH03	- - - -	- - - 7 -	SW-SM	Same as above
Moist	1,575	NA	N	PH03	_	- 8	SW-SM	Same as above

Total Depth @ 8 ft bgs



Comments: Field screening conducted with HACH Chloride Test Strips for chloride. 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
Dry	610	NA	N	PH04	0 ]	0	SM	Pad caliche, carbonate clay and gravel. Off white
					_	_ -		and powdery, moderate sorting.
Dry	493	NA	N	PH04	1 _	_ 1 - -	SP-SM	Pad caliche, light to dark brown silt and clay. Limestone gravel, moderate sorting.
Moist	ND	NA	N	PH04	- - -	2 - -	SW-SC	Dark brown to reddish clay, high plasticity. Well sorted.
Moist	ND	NA	N	PH04	- - -	- _ 3 -	SW-SC	Dark brown to reddish clay, high plasticity. Limestone gravel, well sorted.
Moist	ND	NA	N	PH04	4	- - -	SW-SC	Dark brown silt and clay, thinly bedded mudstone. Well sorted.
Moist	745	NA	N	PH04	- - -	- _ 5 -	SM	Dark brown silt, well sorted.
Moist	1,154	NA	N	PH04	-	- - - 6	SM	Same as above
					-	- -		
Moist	900	NA	N	PH04	-	- 7 -	SM	Same as above
Moist	820	NA	N	PH04	- - -	- - 8 -	SC	Dark brown clay, well sorted, high plasticity. Limestone gravel.

Total Depth @ 8 ft bgs



APPENDIX D

Photographic Log

## **ENSOLUM**

#### **Photographic Log**

Matador Production Company George Well Pad nAPP2333038378





Date: 12/05/2023

Photograph 1 Date: 12/05/2023

Description: PH01; Vertical Delineation Sampling

View: North

Photograph 2

Description: Release Area

View: East





Photograph 3 Date: 12/05/2023 Description: PH02; Vertical Delineation Sampling

View: Northwest

Photograph 4 Date: 12/05/2023

Description: PH03; Vertical Delineation Sampling

View: Northwest

## **ENSOLUM**

#### **Photographic Log**

Matador Production Company George Well Pad nAPP2333038378





Photograph 5 Date: 12/05/2023

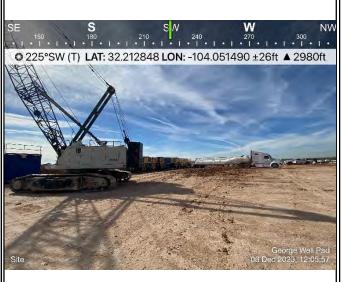
**Description: Vertical Delineation Sampling** 

View: North

Photograph 6 Date: 12/05/2023

**Description: Vertical Delineation Sampling** 

View: North





Photograph 7 Date: 12/06/2023

Description: Equipment on location

View: Southwest

Photograph 8 Date: 12/06/2023

Description: Equipment on location

View: East



#### **Photographic Log**

Matador Production Company
George Well Pad
nAPP2333038378





Photograph 9 Date: 06/10/2024

Description: Depth to Water Determination

View: East

Photograph 10 Date: 06/10/2024

Description: Depth to Water Determination

View: Southeast





Photograph 11 Date: 06/10/2024

Description: Depth to Water Determination

View: West

Photograph 12 Date: 06/10/2024

Description: Depth to Water Determination

View: Northwest



## **APPENDIX E**

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Matador Resources, LLC.

Project Name: George Well Pad

Work Order: E312049

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312049

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

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Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

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#### Sample Summary

Γ	Matador Resources, LLC.	Project Name:	George Well Pad	D out. d.
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 11:23

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH03-0'	E312049-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH03-1'	E312049-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH03-2'	E312049-03A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

#### PH03-0' E312049-01

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2349098
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
ND	0.0500	1	12/08/23	12/12/23	
ND	0.0250	1	12/08/23	12/12/23	
	96.8 %	70-130	12/08/23	12/12/23	
mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2349098
ND	20.0	1	12/08/23	12/12/23	
	88.8 %	70-130	12/08/23	12/12/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2350045
ND	25.0	1	12/13/23	12/15/23	
ND	50.0	1	12/13/23	12/15/23	
	81.3 %	50-200	12/13/23	12/15/23	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2350010
381	20.0	1	12/11/23	12/12/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           88.8 %         mg/kg           MD         25.0           ND         50.0           81.3 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           MB/kg         mg/kg         Anal           ND         20.0         1           88.8 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           81.3 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/08/23           ND         0.0250         1         12/08/23           ND         0.0250         1         12/08/23           ND         0.0500         1         12/08/23           ND         0.0250         1         12/08/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/08/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         12/13/23           ND         50.0         1         12/13/23           ND         50.0         1         12/13/23           81.3 %         50-200         12/13/23           mg/kg         Mg/kg         Analyst: BA	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/08/23         12/12/23           ND         0.0250         1         12/08/23         12/12/23           ND         0.0250         1         12/08/23         12/12/23           ND         0.0500         1         12/08/23         12/12/23           ND         0.0250         1         12/08/23         12/12/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/08/23         12/12/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/08/23         12/12/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         12/13/23         12/15/23           ND         50.0         1         12/13/23         12/15/23           ND         50.0         1         12/13/23         12/15/23           81.3 %         50-200         12/13/23         12/15/23



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

#### PH03-1'

E312049-02						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2349098
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
p-Xylene	ND	0.0250	1	12/08/23	12/12/23	
o,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2349098
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2350045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/15/23	
Surrogate: n-Nonane		81.8 %	50-200	12/13/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2350010
Chloride	442	100	5	12/11/23	12/13/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

#### PH03-2'

E312049-03	
D	

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2349098
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
o-Xylene	ND	0.0250	1	12/08/23	12/12/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2349098
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/15/23	
Surrogate: n-Nonane		80.5 %	50-200	12/13/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2350010
Chloride	454	200	10	12/11/23	12/13/23	



Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Number: Project Manager:	23052-0001 Ashley Giovengo	12/15/2023 11:23:46AM

Dallas TX, 75240		Project Manager		shley Giovens	go			12/1	5/2023 11:23:46AN
				by EPA 802					Analyst: RKS
		Reporting	Spike	Source		Rec		RPD	maryst. KKS
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349098-BLK1)							Prepared: 12	2/08/23 Anal	yzed: 12/12/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.4	70-130			
LCS (2349098-BS1)							Prepared: 12	2/08/23 Anal	yzed: 12/12/23
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			
Matrix Spike (2349098-MS1)				Source:	E312044-	27	Prepared: 12	2/08/23 Anal	yzed: 12/12/23
Benzene	4.69	0.0250	5.00	ND	93.7	54-133			
Ethylbenzene	4.94	0.0250	5.00	ND	98.9	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			
Matrix Spike Dup (2349098-MSD1)				Source:	E312044-	27	Prepared: 12	2/08/23 Anal	yzed: 12/12/23
Benzene	4.36	0.0250	5.00	ND	87.1	54-133	7.30	20	
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133	6.38	20	
Toluene	4.68	0.0250	5.00	ND	93.6	61-130	6.74	20	
o-Xylene	4.77	0.0250	5.00	ND	95.3	63-131	6.63	20	
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131	6.23	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	63-131	6.36	20	
			0.00		01.1				



70-130

Surrogate: 4-Bromochlorobenzene-PID

7.29

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/2023 11:23:46AM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go				12/15/2023 11:23:46AN
Nonhalogenated Organics by EPA 8015D - GRO  Analyst: RKS									Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349098-BLK1)							Prepared: 1	2/08/23 A	analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130			
LCS (2349098-BS2)							Prepared: 1	2/08/23 A	analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2349098-MS2)				Source:	E312044-	27	Prepared: 1	2/08/23 A	analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	ND	83.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			
Matrix Spike Dup (2349098-MSD2)				Source:	E312044-	27	Prepared: 1	2/08/23 A	analyzed: 12/12/23
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130	1.69	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/2023 11:23:46AM

	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350045-BLK1)							Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			
LCS (2350045-BS1)							Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	219	25.0	250		87.7	38-132			
Surrogate: n-Nonane	40.8		50.0		81.6	50-200			
Matrix Spike (2350045-MS1)				Source:	E312048-	03	Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.5	38-132			
Surrogate: n-Nonane	40.2		50.0		80.3	50-200			
Matrix Spike Dup (2350045-MSD1)				Source:	E312048-0	03	Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.4	38-132	3.49	20	
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Chloride

## **QC Summary Data**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 11:23:46AM

Anions by EPA 300.0/9056A Analyst: BA									
Analyte Reporting Spike Source Rec Result Limit Level Result Rec Limits								RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350010-BLK1)							Prepared: 1	2/11/23 Anal	yzed: 12/12/23
Chloride	ND	20.0							
LCS (2350010-BS1)							Prepared: 1	2/11/23 Anal	yzed: 12/12/23
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2350010-MS1)				Source:	E312047-	03	Prepared: 1	2/11/23 Anal	yzed: 12/12/23
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2350010-MSD1)				Source:	E312047-0	03	Prepared: 1	2/11/23 Anal	vzed: 12/12/23

250

20.0

80-120

#### 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:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 11:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project: George Well Pad

Phone: 575-988-0055

Report due by:

Time

Sampled

13:16

13:17

13:20

Client: Matador Production Company

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

Email: agiovengo@ensolum.com

Date Sampled

12/5/2023

12/5/2023

12/5/2023

City, State, Zip: Carlsbad NM, 88220

Matrix

Soil

Soil

Soil

Containers

1

1

1

Lab

Number

3

Lab Use Only

Job Number

23052-000

Analysis and Method

Lab WO#

TPH GRO/DRO/ORO by

E312049

BTEX by 8021 VOC by 8260 Metals 6010

8015

Bill To

Email: clinton.talley@matadorresources.com

Attention: Matador Production Company

Address: on file

City, State, Zip:

PH03 - 0'

PH03 - 1'

PH03 - 2'

Sample ID

Phone: (337)319-8398

**SDWA** 

**RCRA** 

**EPA Program** 

CWA

State

Remarks

NM CO UT AZ TX

TAT

X

3D Standard

1D 2D

ΣZ

BGDOC

X

X

X

4
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of
က

Received by OCD: 1/13/2025/9207:18\AM

dditional Instructions: Pleas	e CC: cburton@ensolum.com	n, agiovengo@ensolum.com, cha	amilton@enso	lum.com, e	haft@ens	olum.com	ı - sampl	es kept	on ice	
(field sampler), attest to the validity and a	authenticity of this sample. I am aware t	n, agiovengo@ensolum.com, cha that tampering with or intentionally mislabe Sampled by: Ethan Haft			Samples re	equiring therm	al preservation	n must be re	on ice  ceived on ice the day they as	and the same of th
(field sampler), attest to the validity and a ate or time of collection is considered frac elinquished by: (Signature)	authenticity of this sample. I am aware to ud and may be grounds for legal action.  Date Time 12/7/23 0700	that tampering with or intentionally mislabe  Sampled by: Ethan Haft  Received by: (Signature)  Mulll Guy			Samples received p	equiring therm	al preservation an avg temp a	must be re above 0 but I	ceived on ice the day they ar ess than 6 °C on subsequent	and the same of th
(field sampler), attest to the validity and a ate or time of collection is considered frace elinquished by: (Signature)	authenticity of this sample. I am aware upd and may be grounds for legal action.  Date Time 12/7/23 0700  Date Time 1730	Received by: (Signature)  Received by: (Signature)  Received by: (Signature)	lling the sample local	Time	Samples rereceived p	equiring therm acked in ice at	al preservation an avg temp a	must be re above 0 but I	ceived on ice the day they ar ess than 6 °C on subsequent	and the same of th
, (field sampler), attest to the validity and a date or time of collection is considered frac Relinquished by: (Signature)	authenticity of this sample. I am aware tud and may be grounds for legal action.  Date Time 12/7/23 0700  Date Time	that tampering with or intentionally mislabe  Sampled by: Ethan Haft  Received by: (Signature)  Received by: (Signature)	Date 12-7-23	Time 1130	Samples received p	equiring therm acked in ice at	al preservation an avg temp a	must be re above 0 but I	ceived on ice the day they ar ess than 6 °C on subsequent ly	and the same of th



e client expense. The report for the analysis of the above

Page 278 of 374

Printed: 12/11/2023 12:28:28PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00		Work Order ID:	E312049
Phone:	(972) 371-5200	Date Logged In:	12/08/23	13:31		Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (6 day TAT)		88	
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location mate	th the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes		<u> </u>		
5. Were a	all samples received within holding time?	·	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comment	s/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La							
	field sample labels filled out with the minimum infortample ID?	mation:	Yes				
	Pate/Time Collected?		Yes				
	Collectors name?		Yes				
Sample I	Preservation		100				
	the COC or field labels indicate the samples were pre	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
Multipha	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	e?	No				
	s, does the COC specify which phase(s) is to be analyze		NA				
			1421				
	ract Laboratory		3.7				
	amples required to get sent to a subcontract laborator		No				
29. Was a	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client In	<u>nstruction</u>						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Matador Resources, LLC.

Project Name: George Well Pad

Work Order: E312050

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312050

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

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Laboratory Administrator Office: 505-632-1881

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G 11 505 0 45 0000

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutodi
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 13:51

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH04-0'	E312050-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH04-1'	E312050-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH04-4'	E312050-03A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

#### PH04-0' E312050-01

		E312050-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2349099
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
o-Xylene	ND	0.0250	1	12/08/23	12/12/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2349099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	95.7	25.0	1	12/12/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/14/23	
Surrogate: n-Nonane		94.2 %	50-200	12/12/23	12/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2350011
Chloride	668	20.0	1	12/11/23	12/12/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

#### PH04-1'

#### E312050-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	st: RAS		Batch: 2349099
Benzene	ND	0.0250	1	12/08/23	12/12/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/12/23	
Toluene	ND	0.0250	1	12/08/23	12/12/23	
o-Xylene	ND	0.0250	1	12/08/23	12/12/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/12/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/12/23	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2349099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	12/08/23	12/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	99.1	25.0	1	12/12/23	12/14/23	
Oil Range Organics (C28-C36)	76.0	50.0	1	12/12/23	12/14/23	
Surrogate: n-Nonane		97.0 %	50-200	12/12/23	12/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2350011
Chloride	386	200	10	12/11/23	12/12/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 1:51:44PM

#### PH04-4'

#### E312050-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2349099
Benzene	ND	0.0250	1	12/08/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/08/23	12/13/23	
Toluene	ND	0.0250	1	12/08/23	12/13/23	
o-Xylene	ND	0.0250	1	12/08/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/08/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/08/23	12/13/23	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	12/08/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2349099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/08/23	12/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	12/08/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/14/23	
Surrogate: n-Nonane		96.4 %	50-200	12/12/23	12/14/23	
A L EDA 200 0/005 (A	mg/kg	mg/kg	Analyst: DT			Batch: 2350011
Anions by EPA 300.0/9056A						



Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/20231:51:44PM

Dallas TX, 75240		Project Manager:		shley Gioveng	0				12/15/2023 1:51:44PM
Dallas 17, 75240		1 Toject Wianager.	A	sincy Gloveng					12/13/2023 1.31.1111
		Volatile O	rganics b	oy EPA 802	1B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349099-BLK1)							Prepared: 12	2/08/23 A	nalyzed: 12/12/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			
LCS (2349099-BS1)							Prepared: 12	2/08/23 A	analyzed: 12/12/23
Benzene	4.98	0.0250	5.00		99.6	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.0	70-130			
Foluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	4.95	0.0250	5.00		99.0	70-130			
o,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			
Matrix Spike (2349099-MS1)				Source: 1	E312047-0	07	Prepared: 12	2/08/23 A	analyzed: 12/12/23
Benzene	5.13	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133			
Toluene	5.10	0.0250	5.00	ND	102	61-130			
o-Xylene	5.10	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			
Matrix Spike Dup (2349099-MSD1)				Source: 1	E312047-0	07	Prepared: 12	2/08/23 A	nalyzed: 12/12/23
Benzene	5.57	0.0250	5.00	ND	111	54-133	8.23	20	
Ethylbenzene	5.48	0.0250	5.00	ND	110	61-133	8.78	20	
Toluene	5.55	0.0250	5.00	ND	111	61-130	8.42	20	
o-Xylene	5.53	0.0250	5.00	ND	111	63-131	8.08	20	
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131	8.63	20	
Total Xylenes	16.7	0.0250	15.0	ND	111	63-131	8.44	20	
			0.00						

97.8

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.82

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/20231:51:44PM

	Project Manage	r: As	shley Gioveng	go			1	2/15/2023 1:51:44PM
Non	halogenated		Analyst: RAS					
Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
						Prepared: 1	2/08/23 Ar	nalyzed: 12/12/23
ND	20.0							
7.10		8.00		88.8	70-130			
						Prepared: 1	2/08/23 Ar	nalyzed: 12/12/23
45.5	20.0	50.0		91.0	70-130			
7.16		8.00		89.5	70-130			
			Source:	E312047-	07	Prepared: 1	2/08/23 Ar	nalyzed: 12/12/23
39.9	20.0	50.0	ND	79.8	70-130			
6.98		8.00		87.2	70-130			
			Source:	E312047-	07	Prepared: 1	2/08/23 Ar	nalyzed: 12/12/23
44.9	20.0	50.0	ND	89.7	70-130	11.7	20	
	Result mg/kg  ND 7.10  45.5 7.16	Nonhalogenated   Reporting   Limit   mg/kg     ND   20.0	Nonhalogenated Organics	Nonhalogenated Organics by EPA 80   Result	Nonhalogenated Organics by EPA 8015D - Gl   Result	Nonhalogenated Organics by EPA 8015D - GRO	Nonhalogenated Organics by EPA 8015D - GRO    Result   Reporting   Limit   Level   Result   Rec   Limits   RPD   mg/kg   mg/kg   mg/kg   mg/kg   % % % % % % % %   % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - GRO    Result   Result   Rec   Limits   RPD   Limit   mg/kg   mg/kg   mg/kg   mg/kg   % % % % % % % % % % % % % % % % % %

8.00

6.89

86.1

70-130

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/20231:51:44PM

Bullus 171, 732 10		Troject Manage		iney Groveng	,,,					
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO		Analyst: KM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2350043-BLK1)							Prepared: 1	2/12/23 Aı	nalyzed: 12/14/23	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	49.5		50.0		99.1	50-200				
LCS (2350043-BS1)							Prepared: 1	2/12/23 Aı	nalyzed: 12/14/23	
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132				
Surrogate: n-Nonane	51.4		50.0		103	50-200				
Matrix Spike (2350043-MS1)				Source:	E312063-	02	Prepared: 1	2/12/23 Aı	nalyzed: 12/14/23	
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132				
Surrogate: n-Nonane	54.0		50.0		108	50-200				
Matrix Spike Dup (2350043-MSD1)				Source:	E312063-	02	Prepared: 1	2/12/23 A1	nalyzed: 12/14/23	
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	6.93	20		
Surrogate: n-Nonane	51.8		50.0		104	50-200				

Chloride

#### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 2	George Well Pad 23052-0001 Ashley Giovengo				<b>Reported:</b> 2/15/2023 1:51:44PM	
		Anions	by EPA	300.0/9056	A				Analyst: DT
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2350011-BLK1)							Prepared: 1	2/11/23 Ana	alyzed: 12/12/23
Chloride	ND	20.0							
LCS (2350011-BS1)							Prepared: 1	2/11/23 Ana	alyzed: 12/12/23

Matrix Spike (2350011-MS1)	Source:	Source: E312050-03			Prepared: 12/11/23 Analyzed: 12/12/23				
Chloride	353	200	250	ND	141	80-120			M5
Matrix Spike Dup (2350011-MSD1)	SD1) Source: E312050-03						Prepared: 12/11/23 Analyzed: 12/12/23		
Chloride	359	200	250	ND	144	80-120	1.64	20	M5

250

20.0

90-110

98.1

245

#### 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:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 13:51

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated 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	Custod

P	A Pr	ogra	m	
	/A		WA	
		RC	RA	
a	te			1
1	AZ	TX		-
m	arks			

Project: George We Project Manager:	II Dad	Client: Matador Production Company			Bill To		Lab Use Only					TAT				EPA Program	
Project Manager:	ell Pau			Attention: Matador Production Co	mpany	Lab WO	_			Num	ber	1D	2D	3D	Standard	CWA	SDWA
o lear illiania dei i	Ashley Gio	/engo		Address: on file		E312		0	23	052	1000-				Х		
Address: 3122 Nat	ional Parks	Hwy		City, State, Zip:					-		nd Metho	_					RCRA
City, State, Zip: Ca	Isbad NM,	88220		Phone: (337)319-8398		þ						1		100			
Phone: 575-988-0055			Email: clinton.talley@matadorresources.com		ORO										State		
Email: agiovengo@ensolum.com						30/0		-		0.0		ΣZ			NM CO	UT AZ	TX
Report due by:						10/c	802	8260	5010	300				¥	×		
Time Sampled Date Sample	d Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос		GDOC		Remarks	
14:42 12/5/2023	Soil	1		PH04 - 0'								х					
14:45 12/5/2023	Soil	1		PH04 - 1'	2							х					
14:49 12/5/2023	Soil	1		PH04 - 4'	3							х					
Additional Instruct	ons: Plea	se CC: cb	ourton@ensolu	m.com, agiovengo@ensolum.com, cha	milton@e	nsolum.c	com,	ehafi	t@e	nsolu	ım.com -	sam	ples	kept	on ice		
late or time of collection i	considered fr				ling the sampl	le location,						avg ter	mp abov	e 0 but le	ceived on ice the day ess than 6 °C on sub		oled or
Relinquished by: (Signate Color Colo	ure)	Date		Received by: (Signature)	Date 12-7-1 Date 12-8.	Time	700		Reco	eived	on ice:	T2	-	se On	<u>T3</u>		
Relinquished by: (Signate Andrew Muss)	•			Received by: (Signature)	12.8-		300			Tem		4			- wiles		
ample Matrix: S - Soil, Sd			eous, <b>O</b> - Other		Container												
	ded 30 days	after resul	ts are reported un	less other arrangements are made. Hazardous	samples will	be returne	d to cl	lient c	or disp	osed o	of at the cli	ent e	xpens	e. The	e report for the	analysis of	the above



e client expense. The report for the analysis of the above

envirotechase

enviro

Page 287 of 374

envirotech Inc.

Printed: 12/11/2023 12:33:32PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00		Work Order ID:	E312050
Phone:	(972) 371-5200	Date Logged In:	12/08/23	13:38		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:		17:00 (5 day TAT)			
Ch -i	Co-4-1- (COC)						
	f Custody (COC)		37				
	the sample ID match the COC? the number of samples per sampling site location mat	ah tha COC	Yes				
		ch the COC	Yes				
	samples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: <u>C</u>	<u>'ourier</u>		
	ne COC complete, i.e., signatures, dates/times, reques	ited analyses?	Yes				
	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes	Г		Comment	s/Resolution
	Turn Around Time (TAT)		**				
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
			<u>~</u>				
	Container aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA NA				
	_		NA NA				
	e head space less than 6-8 mm (pea sized or less)?						
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain	iers collected?	Yes				
Field La		.•					
	e field sample labels filled out with the minimum info Sample ID?	rmation:	Yes				
	Date/Time Collected?						
	Collectors name?		Yes Yes				
	Preservation		105				
	s the COC or field labels indicate the samples were pr	eserved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved m	etals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	ze?	No				
	s, does the COC specify which phase(s) is to be analy						
		zed:	NA				
	ract Laboratory						
	samples required to get sent to a subcontract laborator	-	No	G.1	3.7.4		
	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client l	<u>Instruction</u>						
_							

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

## **Analytical Report**

Matador Resources, LLC.

Project Name: George Well Pad

Work Order: E312053

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312053

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

Cen. 775 207 1702

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Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	George Well Pad	D
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 16:29

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH01-0.5'	E312053-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH01-1'	E312053-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

### PH01-0.5' E312053-01

	E312033-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	llyst: RAS		Batch: 2350004
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
ND	0.0500	1	12/11/23	12/14/23	
ND	0.0250	1	12/11/23	12/14/23	
	94.0 %	70-130	12/11/23	12/14/23	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2350004
ND	20.0	1	12/11/23	12/14/23	
	87.0 %	70-130	12/11/23	12/14/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2350045
60.6	25.0	1	12/13/23	12/15/23	
ND	50.0	1	12/13/23	12/15/23	
	84.1 %	50-200	12/13/23	12/15/23	
mg/kg	mg/kg	Ana	llyst: BA		Batch: 2350035
403	20.0	1	12/12/23	12/15/23	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 60.6 ND	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           MD         50.0           84.1 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           94.0 %         70-130         70-130           mg/kg         mg/kg         Ana           MD         20.0         1           87.0 %         70-130         70-130           mg/kg         mg/kg         Ana           60.6         25.0         1           ND         50.0         1           84.1 %         50-200           mg/kg         Mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: RAS           ND         0.0250         1         12/11/23           ND         0.0250         1         12/11/23           ND         0.0250         1         12/11/23           ND         0.0250         1         12/11/23           ND         0.0500         1         12/11/23           ND         0.0250         1         12/11/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23           mg/kg         mg/kg         Analyst: KM           60.6         25.0         1         12/13/23           ND         50.0         1         12/13/23           ND         50.0         1         12/13/23           ND         50.0         1         12/13/23           Mg/kg         mg/kg         Analyst: BA	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RAS           ND         0.0250         1         12/11/23         12/14/23           ND         0.0250         1         12/11/23         12/14/23           ND         0.0250         1         12/11/23         12/14/23           ND         0.0500         1         12/11/23         12/14/23           ND         0.0250         1         12/11/23         12/14/23           MD         0.0250         1         12/11/23         12/14/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23         12/14/23           mg/kg         mg/kg         Analyst: RAS           ND         20.0         1         12/11/23         12/14/23           mg/kg         mg/kg         Analyst: KM           60.6         25.0         1         12/13/23         12/15/23           ND         50.0         1         12/13/23         12/15/23           84.1 %         50-200         12/13/23         12/15/23



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

### PH01-1'

### E312053-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350045
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/23	12/15/23	
Surrogate: n-Nonane		84.8 %	50-200	12/13/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2350035
11110115 8 / 121110001017 00011						



Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/2023 4:29:34PM

PA 8021B  Source Result Rec mg/kg %  95.2  96.8 93.3 96.9 95.6	Rec Limits %  70-130  70-130  70-130  70-130  70-130			Notes  Notes  alyzed: 12/14/23
Result Rec mg/kg %  95.2  96.8 93.3 96.9	70-130 70-130 70-130	% Prepared: 1.	Limit % 2/11/23 Ana	alyzed: 12/14/23
95.2 96.8 93.3 96.9	70-130 70-130 70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
96.8 93.3 96.9	70-130 70-130			•
96.8 93.3 96.9	70-130 70-130	Prepared: 1.	2/11/23 Ana	alyzed: 12/14/23
96.8 93.3 96.9	70-130 70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
96.8 93.3 96.9	70-130 70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
96.8 93.3 96.9	70-130 70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
96.8 93.3 96.9	70-130 70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
96.8 93.3 96.9	70-130 70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
96.8 93.3 96.9	70-130 70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
93.3 96.9	70-130	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
93.3 96.9	70-130			
96.9				
	70-130			
95.6				
	70-130			
96.5	70-130			
96.2	70-130			
95.2	70-130			
Source: E312053-	-02	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
ND 96.9	54-133			
ND 93.6	61-133			
ND 97.1	61-130			
ND 95.8	63-131			
ND 96.8	63-131			
ND 96.5	63-131			
95.4	70-130			
Source: E312053-	-02	Prepared: 1	2/11/23 Ana	alyzed: 12/14/23
ND 94.7	54-133	2.29	20	
ND 91.4	61-133	2.41	20	
ND 94.9	61-130	2.32	20	
ND 93.4	63-131	2.55	20	
ND 94.4	63-131	2.47	20	
ND 94.1	63-131	2.50	20	
	ND 96.9 ND 93.6 ND 97.1 ND 95.8 ND 96.8 ND 96.5 95.4 Source: E312053 ND 94.7 ND 94.9 ND 94.9 ND 93.4 ND 94.4	ND 96.9 54-133 ND 93.6 61-133 ND 97.1 61-130 ND 95.8 63-131 ND 96.8 63-131 ND 96.5 63-131  295.4 70-130  Source: E312053-02  ND 94.7 54-133 ND 94.9 61-130 ND 94.9 61-130 ND 93.4 63-131 ND 94.4 63-131 ND 94.4 63-131	ND         96.9         54-133           ND         93.6         61-133           ND         97.1         61-130           ND         95.8         63-131           ND         96.8         63-131           ND         96.5         63-131           95.4         70-130           Source: E312053-02         Prepared: 1           ND         94.7         54-133         2.29           ND         91.4         61-133         2.41           ND         94.9         61-130         2.32           ND         93.4         63-131         2.55           ND         94.4         63-131         2.47	ND         96.9         54-133           ND         93.6         61-133           ND         97.1         61-130           ND         95.8         63-131           ND         96.5         63-131           ND         96.5         63-131           95.4         70-130           Source: E312053-02         Prepared: 12/11/23         Ana           ND         94.7         54-133         2.29         20           ND         91.4         61-133         2.41         20           ND         94.9         61-130         2.32         20           ND         93.4         63-131         2.55         20           ND         94.4         63-131         2.47         20

8.00

7.61

95.1

70-130



Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			1:	2/15/2023 4:29:34PM
Nonhalogenated Organics by EPA 8015D - GRO									Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes
Blank (2350004-BLK1)							Prepared: 1	2/11/23 An	alyzed: 12/14/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.7	70-130			
LCS (2350004-BS2)							Prepared: 1	2/11/23 An	alyzed: 12/14/23
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			
Matrix Spike (2350004-MS2)				Source:	E312053-	02	Prepared: 1	2/11/23 An	alyzed: 12/14/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	70-130			
Matrix Spike Dup (2350004-MSD2)				Source:	E312053-	02	Prepared: 1	2/11/23 An	alyzed: 12/14/23
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130	2.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		88.9	70-130			

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/2023 4:29:34PM

, ,,=		,			<b>5</b> -				
Nonhalogenated Organics by EPA 8015D - DRO/ORO  Analyst: K									Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350045-BLK1)							Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			
LCS (2350045-BS1)							Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	219	25.0	250		87.7	38-132			
Surrogate: n-Nonane	40.8		50.0		81.6	50-200			
Matrix Spike (2350045-MS1)				Source:	E312048-	03	Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.5	38-132			
Surrogate: n-Nonane	40.2		50.0		80.3	50-200			
Matrix Spike Dup (2350045-MSD1)				Source:	E312048-	03	Prepared: 1	2/13/23 A	nalyzed: 12/14/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.4	38-132	3.49	20	
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike Dup (2350035-MSD1)

Chloride

### **QC Summary Data**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	10/15/2022 4 20 24704
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 4:29:34PM

Anions by EPA 300.0/9056A								Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2350035-BLK1)							Prepared: 1	2/12/23 Anal	yzed: 12/14/23	
Chloride	ND	20.0								
LCS (2350035-BS1)							Prepared: 1	2/12/23 Anal	yzed: 12/14/23	
Chloride	242	20.0	250		96.7	90-110				
Matrix Spike (2350035-MS1)				Source:	E312048-	02	Prepared: 1	2/12/23 Anal	yzed: 12/14/23	
Chloride	730	20.0	250	458	109	80-120				

250

20.0

Source: E312048-02

110

80-120

0.360

#### 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.



Prepared: 12/12/23 Analyzed: 12/14/23

### **Definitions and Notes**

Γ	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 16:29

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.



Project: George Well Pad

Phone: 575-988-0055

Report due by:

Time

Sampled

8:45

8:47

Client: Matador Production Company

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

Email: agiovengo@ensolum.com

Date Sampled

12/5/2023

12/5/2023

City, State, Zip: Carlsbad NM, 88220

Matrix

Soil

Soil

Containers

1

1

Lab

Number

Lab WO#

TPH GRO/DRO/ORO by

E312053

BTEX by 8021 VOC by 8260

Lab Use Only

Metals 6010

Job Number

23052-000

Analysis and Method

Bill To

Email: clinton.talley@matadorresources.com

Attention: Matador Production Company

Address: on file

City, State, Zip:

PH01 - 0.5'

PH01 - 1'

Sample ID

Phone: (337)319-8398

**SDWA** 

**RCRA** 

**EPA Program** 

**CWA** 

State

Remarks

NM CO UT AZ TX

TAT

X

3D Standard

1D 2D

N

BGDOC

X

X

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of 1
2
7
зgе

Additional Instructions: Please	CC: cburton@e	ensolum.com	, agiovengo@ensolum.com, cha	milton@ensol	um.com, eha	ft@ensolum.com	- samples kept	on ice	
(Fold and los) obtact to the colidia and a	the section of the section	viole in the state of the state of				Is a second and the second		eceived on ice the day they are same	1.1
, (field sampler), attest to the validity and au date or time of collection is considered fraud			hat tampering with or intentionally mislabell Sampled by: Ethan Haft	ling the sample loca	ition,		Annual Control of the	less than 6 °C on subsequent days.	p
Relinquished by: (Signature)	Date 19/7/13	Time 0700	Received by: (Signature)	Date	Time		Lab Use Or	nly	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	D-7.23	Time	Received on ice:	(A) N		
Middle Cay	12-7-23	1730	Solrew Musso	12.8.23	0700	T1	T2	T3	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		11		
Andrew Muses	12.8.23	1300	1 Delwal 1	12.8.23	1300	AVG Temp °C	7		
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge,	A - Aqueous, O - Oth	ner	00 ( (	Container Type	e: g - glass, p - p	ooly/plastic, ag - am	ber glass, v - VO	A	
Note: Samples are discarded 30 days after							lient expense. Th	e report for the analysis of	the above
samples is applicable only to those samp	ies received by the	e laboratory with	this COC. The liability of the laboratory	is limited to the	amount paid for	on the report.			



or disposed of at the client expense. The report for the analysis of the above on the report.

Conclusion of the client expense. The report for the analysis of the above on the report.

Page 300 of 374

envirotech Inc.

Printed: 12/11/2023 12:49:24PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

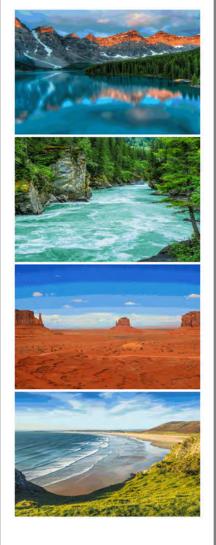
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00	Work Order ID:	E312053
Phone:	(972) 371-5200	Date Logged In:	12/08/23	14:03	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	12/15/23	17:00 (5 day TAT)		
Ch -ii	S.C.,					
	f Custody (COC)		37			
	the sample ID match the COC? The number of samples per sampling site location match	tch the COC	Yes			
	samples dropped off by client or carrier?	iich the COC	Yes	a . a .		
	ne COC complete, i.e., signatures, dates/times, reque	estad analyzaas?	Yes Yes	Carrier: Courie	<u>r</u>	
	all samples received within holding time?	sicu alialyses:	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucss.		103		<u>Comment</u>	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
12. Was the	he sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	Container	<u>.                                    </u>	<u>~</u>			
	equeous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La						
	e field sample labels filled out with the minimum inf	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
(	Collectors name?		Yes			
	Preservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved i	netals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcont	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laborate	ory?	No			
29. Was	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA		
Client I	nstruction					

Date

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

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: George Well Pad

Work Order: E312055

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/23

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: 12/15/23

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

Project Name: George Well Pad

Workorder: E312055

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Lynn Jarboe

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ljarboe@envirotech-inc.com

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 15:14

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
SS01-0'	E312055-01A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS02-0'	E312055-02A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS03-0'	E312055-03A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS04-0'	E312055-04A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS05-0'	E312055-05A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS06-0'	E312055-06A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS07-0'	E312055-07A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
SS08-0'	E312055-08A	Soil	12/05/23	12/08/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS01-0' E312055-01

		E312055-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.8 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		95.9 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2350018
Chloride	183	20.0	1	12/13/23	12/14/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS02-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		95.2 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: BA		Batch: 2350018
Chloride	391	20.0	1	12/13/23	12/14/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS03-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		94.1 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2350018
				12/13/23	12/14/23	



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS04-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		97.0 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2350018
	634	20.0		12/13/23	12/14/23	·



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS05-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		97.4 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2350018
Chloride	248	20.0		12/13/23	12/14/23	<u> </u>

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS06-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		97.2 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2350018
	<u> </u>	<u> </u>	<u> </u>	·	·	·



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS07-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		93.8 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2350018
· · · · · · · · · · · · · · · · · · ·	834	40.0	2	12/13/23	12/14/23	·



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

### SS08-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Benzene	ND	0.0250	1	12/11/23	12/15/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/15/23	
Toluene	ND	0.0250	1	12/11/23	12/15/23	
o-Xylene	ND	0.0250	1	12/11/23	12/15/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/15/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/15/23	
Surrogate: 4-Bromochlorobenzene-PID		88.7 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2350004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.3 %	70-130	12/11/23	12/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2350031
Diesel Range Organics (C10-C28)	75.3	25.0	1	12/12/23	12/13/23	
Oil Range Organics (C28-C36)	88.3	50.0	1	12/12/23	12/13/23	
Surrogate: n-Nonane		94.1 %	50-200	12/12/23	12/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2350018
Chloride	194	20.0	1	12/13/23	12/14/23	•



Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	00 LBJ Freeway, Suite 1500 Project Number:		
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM
	Analyst: DAS		

Dallas TX, 75240		Project Number: Project Manager:		3052-0001 shley Giovengo	)			12/	15/2023 3:14:49PM
		Volatile O	rganics	by EPA 8021	1B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350004-BLK1)							Prepared: 12	2/11/23 Anal	yzed: 12/14/23
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	7.62		8.00		95.2	70-130			
LCS (2350004-BS1)							Prepared: 12	2/11/23 Anal	yzed: 12/14/23
Benzene	4.84	0.0250	5.00		96.8	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130			
Toluene	4.84	0.0250	5.00		96.9	70-130			
o-Xylene	4.78	0.0250	5.00		95.6	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.4	0.0250	15.0		96.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			
Matrix Spike (2350004-MS1)				Source: I	E312053-0	02	Prepared: 12	2/11/23 Anal	yzed: 12/14/23
Benzene	4.85	0.0250	5.00	ND	96.9	54-133			
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133			
Toluene	4.86	0.0250	5.00	ND	97.1	61-130			
o-Xylene	4.79	0.0250	5.00	ND	95.8	63-131			
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			
Matrix Spike Dup (2350004-MSD1)				Source: I	E312053-	02	Prepared: 12	2/11/23 Anal	yzed: 12/14/23
Benzene	4.74	0.0250	5.00	ND	94.7	54-133	2.29	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	61-133	2.41	20	
Toluene	4.74	0.0250	5.00	ND	94.9	61-130	2.32	20	
o-Xylene	4.67	0.0250	5.00	ND	93.4	63-131	2.55	20	
p,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131	2.47	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.1	63-131	2.50	20	
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

44.3

7.12

20.0

### **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/20233:14:49PM

	Non	Analyst: RAS							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350004-BLK1)							Prepared: 12	2/11/23 Anal	yzed: 12/14/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.7	70-130			
LCS (2350004-BS2)							Prepared: 12	2/11/23 Anal	yzed: 12/14/23
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			
Matrix Spike (2350004-MS2)				Source:	E312053-	02	Prepared: 12	2/11/23 Anal	yzed: 12/14/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.7	70-130			
Matrix Spike Dup (2350004-MSD2)				Source:	E312053-	02	Prepared: 12	2/11/23 Anal	yzed: 12/14/23

50.0

8.00

ND

88.9

70-130

70-130

2.56

20



Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/15/20233:14:49PM

Dallas 171, 732 10		Troject Manage		iney Groveng	50						
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: KM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2350031-BLK1)							Prepared: 12	2/12/23 Aı	nalyzed: 12/13/23		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	48.7		50.0		97.3	50-200					
LCS (2350031-BS1)							Prepared: 12	2/12/23 Aı	nalyzed: 12/13/23		
Diesel Range Organics (C10-C28)	222	25.0	250		89.0	38-132					
Surrogate: n-Nonane	48.0		50.0		96.0	50-200					
Matrix Spike (2350031-MS1)				Source:	E312055-0	05	Prepared: 12	2/12/23 Aı	nalyzed: 12/13/23		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.2	38-132					
Surrogate: n-Nonane	48.4		50.0		96.7	50-200					
Matrix Spike Dup (2350031-MSD1)				Source:	E312055-	05	Prepared: 12	2/12/23 Aı	nalyzed: 12/13/23		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.2	38-132	0.0299	20			
Surrogate: n-Nonane	51.5		50.0		103	50-200					



LCS (2350018-BS1)

Analyst: BA

Prepared: 12/11/23 Analyzed: 12/14/23

### **QC Summary Data**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/2023 3:14:49PM

Anions by EPA 300.0/9056A

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2350018-BLK1) Chloride	ND	20.0				F	repared: 12	2/11/23 Anal	yzed: 12/14/23

Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2350018-MS1)				Source: 1	E312055-04	4	Prepared: 12/11	/23 Analyzed:	12/14/23
Chloride	823	20.0	250	634	75.3	80-120			M2
Matrix Spike Dup (2350018-MSD1)				Source: 1	E312055-04	4	Prepared: 12/11	/23 Analyzed:	12/14/23
Chloride	821	20.0	250	634	74.5	80-120	0.240	20	M2

#### QC Summary Report Comment:

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



### **Definitions and Notes**

ſ	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/15/23 15:14

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project: George Well Pad

Phone: 575-988-0055

Report due by:

Time

Sampled

11:33

11:35

12:55

12:18

13:20

12:28

11:44

11:45

Client: Matador Production Company

Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy

City, State, Zip: Carlsbad NM, 88220

No. of

Containers

1

1

1

1

1

1

1

1

Matrix

Soil

Soil

Soil

Soil

Soil

Soil

Soil

Soil

Sample ID

Email: agiovengo@ensolum.com

Date Sampled

12/5/2023

12/5/2023

12/6/2023

12/6/2023

12/6/2023

12/6/2023

12/5/2023

12/5/2023

Lab

Number

0

8

Lab Use Only

VOC by 8260

Metals 6010

Lab WO#

E312055

Job Number

23052-000

Analysis and Method

Bill To

Email: clinton.talley@matadorresources.com

Attention: Matador Production Company

Address: on file

City, State, Zip:

SS01 - 0'

SS02 - 0'

SS03 - 0'

SS04 - 01

SS05 - 0'

SS06 - 0'

SS07 - 0'

SS08 - 0'

Phone: (337)319-8398

**SDWA** 

RCRA

**EPA Program** 

**CWA** 

State

Remarks

NM CO UT AZ TX

TAT

3D

X

1D 2D

BGDOC

X

X

X

X

X

X

X

X

Standard

19
ō
8
age

Received by OCD: 1/13/2025/9207:18\AM

I, (field sampler), attest to the validity and a date or time of collection is considered frau	and the representation	Mitted of the Property	e that tampering with or intentionally mislabe  1. Sampled by: Ethan Haft	lling the sample loca	ation,	The state of the s	Accordingly to the remarks of the second	ed on ice the day they are sampled than 6 °C on subsequent days.
Relinquished by: (Signature)	Date 12/7/23	Time U7d0	Received by: (Signature) County	Date 12-7-23	Time 1130	Received on ice:	Lab Use Only (Y) N	
Relinquished by: (Signature)  William Supplies  Relinquished by: (Signature)	Date 12-7-23	Time 1730	Received by: (Signature)	12-8-23	7000 Time	T1	<u>T2</u>	<u>T3</u>
Relinquished by: (Signature)	Date 12-8.23	1300	Received by: (Signature)	Date 12-8-23	Time 300	AVG Temp °C	4	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludg	e, A - Aqueous, O - Ot	her	(, 1	Container Typ	e: g - glass, p -	poly/plastic, ag - am	ber glass, v - VOA	



e client expense. The report for the analysis of the above

Page 319 of 374

envirotech Inc.

Printed: 12/11/2023 1:00:53PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00	Work Order ID:	E312055
Phone:	(972) 371-5200	Date Logged In:	12/08/23	14:20	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	12/15/23	17:00 (5 day TAT)		
Ch -i4	2C4-1- (COC)					
	Custody (COC)		37			
	he sample ID match the COC? he number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?	ich the COC	Yes			
	the COC complete, i.e., signatures, dates/times, reque	atad analyzas?	Yes Yes	Carrier: Courier		
		sted allaryses:	Yes			
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.			103		<u>Comment</u>	s/Resolution
	Furn Around Time (TAT)		<b>V</b>			
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample 0	sample cooler received?		Yes			
	was cooler received in good condition?					
• •	<b>G</b>		Yes			
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	<u>Container</u>	<u> </u>	_			
_	queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	con-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		nois conceica.	105			
	field sample labels filled out with the minimum info	ormation:				
	sample ID?	omination.	Yes			
	Date/Time Collected?		Yes			
(	Collectors name?		Yes			
Sample 1	<b>Preservation</b>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multiph:	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborate	nrv?	No			
	a subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
		i so who.	1171	Subcontract Lab. IVA		
Client I	<u>nstruction</u>					

Date

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

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: George Well Pad

Work Order: E312056

Job Number: 23052-0001

Received: 12/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/18/23

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: 12/18/23

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

Project Name: George Well Pad

Workorder: E312056

Date Received: 12/8/2023 1:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: George Well Pad.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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### **Sample Summary**

Matador Resources, LLC.	Project Name:	George Well Pad	Donoutoda	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/23 09:40	

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH02-0.5'	E312056-01A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-1'	E312056-02A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-2'	E312056-03A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-3'	E312056-04A Soil	12/05/23	12/08/23	Glass Jar, 2 oz.
PH02-4'	E312056-05A Soil	12/05/23	12/08/23	Glass Jar. 2 oz.



Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

### PH02-0.5' E312056-01

		E312030-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2350012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2350071	
Diesel Range Organics (C10-C28)	1210	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		80.2 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2350015
Chloride	1370	40.0	2	12/11/23	12/11/23	



# **Sample Data**

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-1'

## E312056-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	555	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		75.8 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2350015



# **Sample Data**

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-2'

## E312056-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RAS		Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	168	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		80.4 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2350015
Chloride	896	200	10	12/11/23	12/11/23	



Chloride

# **Sample Data**

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-3'

		E312056-04				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		94.9 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA		Batch: 2350015

200

572

12/11/23

10

12/11/23



# **Sample Data**

Matador Resources, LLC.	Project Name:	George Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/2023 9:40:42AM

## PH02-4'

## E312056-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2350012
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RAS		Batch: 2350012
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/15/23	
Surrogate: n-Nonane		81.0 %	50-200	12/14/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2350015
Chloride	765	200	10	12/11/23	12/11/23	



# **QC Summary Data**

Matador Resources, LLC.	Project Name:	George Well Pad	Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Number: Project Manager:	23052-0001 Ashley Giovengo	12/18/2023 9:40:42AM
	Volotile Orga	nice by FPA 2021R	

Analyst: RAS		
Notes		
/zed: 12/11/23		
zed: 12/11/23		
zed: 12/11/23		
zed: 12/11/23		



Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/18/20239:40:42AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			12/1	8/2023 9:40:42AM
	Nor	Nonhalogenated Organics by EPA 8015D - GRO							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
Blank (2350012-BLK1)							Prepared: 12	2/11/23 Analy	yzed: 12/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			
LCS (2350012-BS2)							Prepared: 12	2/11/23 Analy	zed: 12/11/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2350012-MS2)				Source:	E312059-	01	Prepared: 12	2/11/23 Analy	zed: 12/11/23
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.3	70-130			
Matrix Spike Dup (2350012-MSD2)				Source:	E312059-	01	Prepared: 12	2/11/23 Analy	zed: 12/11/23
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.3	70-130	0.450	20	

8.00

7.18

89.8

70-130

## **QC Summary Data**

Matador Resources, LLC.Project Name:George Well PadReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo12/18/20239:40:42AM

, ,,=		,			5-				
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350071-BLK1)							Prepared: 1	2/14/23 A	nalyzed: 12/15/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			
LCS (2350071-BS1)							Prepared: 1	2/14/23 A	nalyzed: 12/15/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike (2350071-MS1)				Source:	E312056-0	04	Prepared: 1	2/14/23 A	nalyzed: 12/15/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike Dup (2350071-MSD1)				Source:	E312056-	04	Prepared: 1	2/14/23 A	nalyzed: 12/15/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	0.292	20	
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	George Well Pac 3052-0001 Ashley Gioveng				12	<b>Reported:</b> 7/18/2023 9:40:42AM
Anions by EPA 300.0/9056A						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

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2350015-BLK1)							Prepared: 12	2/11/23 A	nalyzed: 12/11/23
Chloride	ND	20.0							
LCS (2350015-BS1)							Prepared: 12	2/11/23 A	nalyzed: 12/11/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2350015-MS1)				Source:	E312060-0	)2	Prepared: 12	2/11/23 A	nalyzed: 12/11/23
Chloride	276	200	250	ND	110	80-120			
Matrix Spike Dup (2350015-MSD1)				Source:	E312060-0	)2	Prepared: 12	2/11/23 A	nalyzed: 12/11/23
Chloride	271	200	250	ND	108	80-120	1.79	20	

#### QC Summary Report Comment:

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



# **Definitions and Notes**

l	Matador Resources, LLC.	Project Name:	George Well Pad	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/18/23 09:40

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.



Project: George Well Pad

Phone: 575-988-0055

Report due by:

Time

Sampled

12:00

12:03

12:04

12:05

12:25

Client: Matador Production Company

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

Email: agiovengo@ensolum.com

Date Sampled

12/5/2023

12/5/2023

12/5/2023

12/5/2023

12/5/2023

City, State, Zip: Carlsbad NM, 88220

Matrix

Soil

Soil

Soil

Soil

Soil

Containers

1

1

1

1

1

Lab

Number

3

5

Lab Use Only

E312050 23052-000

Metals 6010

Lab WO#

TPH GRO/DRO/ORO by 8015

BTEX by 8021 VOC by 8260 Job Number

Analysis and Method

Bill To

Email: clinton.talley@matadorresources.com

Attention: Matador Production Company

Address: on file

City, State, Zip:

PH02 - 0.5'

PH02 - 1'

PH02 - 2'

PH02 - 3'

PH02 - 4'

Sample ID

Phone: (337)319-8398

**SDWA** 

**RCRA** 

**EPA Program** 

CWA

State

Remarks

NM CO UT AZ TX

TAT

Standard

3D

X

1D 2D

Σ

BGDOC

X

X

X

X

X

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Additional Instructions: Please	CC: cburton@ensolum.com	, agiovengo@ensolum.com, cha	amilton@ensolu	m.com, eha	ft@ensolum.com	- samples kept or	n ice
I, (field sampler), attest to the validity and aut date or time of collection is considered fraud		hat tampering with or intentionally mislabe Sampled by: Ethan Haft	elling the sample location	ın,			ved on ice the day they are sampled or s than 6 °C on subsequent days.
Relinquished by: (Signature)	Date 12/7/23 Time 0700	Received by: (Signature)  Wille Elyb	Date 12.7-23	1130	Received on ice:	Lab Use Only	
Relinquished by: (Signature) Wille Guyle	Date 12-7-23 1730	Received by: (Signature)	12 · 8 · 23	Time 6700	T1	<u>T2</u>	<u>T3</u>
Relinquished by: (Signature)	12.8.23 1300	Received by: (Signature)	12-8.23	1300	AVG Temp °C	4	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge,	A - Aqueous, O - Other	6 601	Container Type:	g - glass, p - p	poly/plastic, ag - am	ber glass, v - VOA	
Note: Samples are discarded 30 days afte samples is applicable only to those sampl						client expense. The r	eport for the analysis of the above



or disposed of at the client expense. The report for the analysis of the above on the report.

Continuous entropy of the analysis of the above on the report.

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envirotech Inc.

Printed: 12/11/2023 1:04:15PM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	12/08/23	13:00	Work Order ID:	E312056
Phone:	(972) 371-5200	Date Logged In:	12/08/23	14:24	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	12/15/23	17:00 (5 day TAT)		
Chain of	Chatady (COC)					
	Custody (COC)		<b>3</b> 7			
	ne sample ID match the COC? The number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?	ich the COC	Yes			
	e COC complete, i.e., signatures, dates/times, reques	otad analyzaas?	Yes Yes	Carrier: Courie	<u>er</u>	
	Il samples received within holding time?	sted allaryses:	Yes			
3. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	165		Comment	ts/Resolution
	<u>urn Around Time (TAT)</u> COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	· •					
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
• •	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	were custody/security seals intact?		No			
			NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4 v	<u> </u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		No NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	•		NA			
	trip blank (TB) included for VOC analyses?	ก				
	on-VOC samples collected in the correct containers'		Yes			
	appropriate volume/weight or number of sample contain	ners conected?	Yes			
Field Lab	<del></del>					
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes			
	rate/Time Collected?		Yes			
	ollectors name?		Yes			
Sample P	reservation					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	, does the COC specify which phase(s) is to be analy		NA			
		, 200.	11/21			
	act Laboratory	0	3.7			
	amples required to get sent to a subcontract laborato	-	No			
29. was a	subcontract laboratory specified by the client and is	i so wno?	NA	Subcontract Lab: NA	1	
Client In	<u>nstruction</u>					

Date

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



**APPENDIX F** 

**NMOCD Notifications** 

From: <u>Hamlet, Robert, EMNRD</u>

To: Ashley Giovengo; clinton.talley@matadorresources.com; Jason Touchet

Cc: Cole Burton; Chad Hamilton; Ethan Haft; Israel Estrella; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez,

Nelson, EMNRD

Subject: Extension Request - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

Date: Wednesday, January 31, 2024 3:45:43 PM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

## [ \*\*EXTERNAL EMAIL\*\*]

### Ashley,

The way the new OCD Permitting Incident Page is set up, we can only give a 90 day extension from the day it is requested. That would extend the deadline for a Remediation Closure Report until 4/30/2024. Your request for an extension to **April 30, 2024** is approved. If you feel additional time is needed, you can request an additional extension near the deadline. We will review the request at that time.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Wednesday, January 31, 2024 11:50 AM

**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

**Cc:** Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Ethan Haft <ehaft@ensolum.com>; Israel Estrella <iestrella@ensolum.com>

**Subject:** [EXTERNAL] Extension Request - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

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

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of February 24, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the George Well Pad (Incident Number nAPP2333038378). The release occurred on November 26, 2023, and initial site assessment and delineation activities have been completed. Currently, a drilling rig is onsite and remediation within the vicinity of the spill area is not possible. In addition to the drilling rig onsite, Matador would like to establish depth to water within a 0.5-mile radius of the Site. Matador will contract a licensed well driller to complete a depth to water boring within the next 90 days. The well log and file will be submitted to the New Mexico Office of the State Engineer (NMOSE) and included in the remediation work plan or closure report. Matador intends to remediate the spill area when drilling activities at the Site have been completed and submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Matador respectfully requests an extension until May 24, 2024.

Thanks,



From: <u>Hamlet, Robert, EMNRD</u>

To: Ashley Giovengo; clinton.talley@matadorresources.com; Jason Touchet

Cc: Chad Hamilton; Cole Burton; Israel Estrella; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson,

**EMNRD** 

Subject: (Final Extension) - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

**Date:** Monday, April 22, 2024 3:36:11 PM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

## [ \*\*EXTERNAL EMAIL\*\*]

RE: Incident #NAPP2333038378

### Ashley,

Your request for a 90 day extension to **July 22nd, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Monday, April 22, 2024 11:34 AM

**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>

**Cc:** Chad Hamilton <chamilton@ensolum.com>; Cole Burton <cburton@ensolum.com>; Israel Estrella <iestrella@ensolum.com>

**Subject:** [EXTERNAL] Extension Request - Matador Production Company - George Well Pad - Incident Number nAPP2333038378

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

All,

Matador Production Company (Matador) is requesting a 2<sup>nd</sup> extension for the current deadline of April 30, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the George Well Pad (Incident Number nAPP2333038378). The release occurred on November 26, 2023, and initial site assessment and delineation activities have been completed. Matador was able to secure landowner permission on March 26, 2024, for the purpose of establishing depth to water (DTW) within a 0.5-mile radius of the Site, however Matador is currently waiting on approval from the New Mexico Office of the State Engineer (NMOSE) for the WR-07 permit (Application for Permit to Drill a Well). Once Matador receives the approved drilling permit, the DTW determination will be completed, and remediation/confirmation sampling of the impacted area will begin. Matador intends to submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Matador respectfully requests an extension until June 29, 2024.

Matador will upload this extension request to the NMOCD web portal following this email submission.

Thanks,



"Your authenticity is your superpower." - Unknown

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

QUESTIONS

Action 362060

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	362060
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Prerequisites			
Incident ID (n#)	nAPP2333038378		
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0		
Incident Type	Release Other		
Incident Status	Remediation Plan Received		

Location of Release Source				
Please answer all the questions in this group.				
Site Name	GEORGE WELL PAD			
Date Release Discovered	11/26/2023			
Surface Owner	Private			

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

Nature and Volume of Release					
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.					
Crude Oil Released (bbls) Details	Not answered.				
Produced Water Released (bbls) Details	Not answered.				
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.				
Condensate Released (bbls) Details	Not answered.				
Natural Gas Vented (Mcf) Details	Not answered.				
Natural Gas Flared (Mcf) Details	Not answered.				
Other Released Details	Cause: Other   Frac Tank   Drilling Mud/Fluid   Released: 467 BBL   Recovered: 450 BBL   Lost: 17 BBL.				
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	4" Butterfly Valve open due to no plug-in valve release 450 bbls in containment and 17 bbls on ground.				

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV** 

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

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

QUESTIONS, Page 2

Action 362060

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	TONS (continued)				
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937				
One Lincoln Centre	Action Number:				
Dallas, TX 75240	362060				
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)				
QUESTIONS	(control of the control of the contr				
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., and the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e., and i.e.,	e. gas only) are to be submitted on the C-129 form.				
D 10 0 =					
Initial Response					
The responsible party must undertake the following actions immediately unless they could create a	T				
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.				
	diation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or				
	Name: Jason Touchet				
I hereby agree and sign off to the above statement	Title: EHS Field Rep				

Email: jason.touchet@matadorresources.com

Date: 07/09/2024

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

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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 362060

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	362060
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)	
Any other fresh water well or spring	Between ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between 500 and 1000 (ft.)	
A subsurface mine	Between 1 and 5 (mi.)	
An (non-karst) unstable area	Between 1 and 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Between ½ and 1 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	Yes	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	08/26/2024	
On what date will (or did) the final sampling or liner inspection occur	12/06/2023	
On what date will (or was) the remediation complete(d)	08/26/2024	
What is the estimated surface area (in square feet) that will be remediated	161	
What is the estimated volume (in cubic yards) that will be remediated	8698	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

Released to Imaging: 1/17/2025 4:19:28 PM

District I

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

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 362060

#### **QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	362060
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Is (or was) there affected material present needing to be removed	Yes	
Is (or was) there a power wash of the lined containment area (to be) performed	No	
OTHER (Non-listed remedial process)	No	
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.		

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

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

Name: Jason Touchet
I hereby agree and sign off to the above statement

Name: Jason Touchet
Title: EHS Field Rep

Email: jason.touchet@matadorresources.com

Date: 07/09/2024

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

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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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 6

Action 362060

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Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	362060
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	{Unavailable.}
Was all the impacted materials removed from the liner	Unavailable.

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	No	

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

CONDITIONS

Action 362060

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	362060
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Created By	Condition	Condition Date
scwells	Remediation proposal approved with conditions. Confirmation samples for both the base and sidewalls of the surface scrape should be collected every 200 square feet. OCD noticed that the answers, to two different questions you answered in your submittal under Remediation Plan, have been switched; specifically "What is the estimated surface area (in square feet) that will be remediated" and "What is the estimated volume (in cubic yards) that will be remediated." Please correct this with your next submission to Permitting regarding this incident. Matador has already been granted two extensions prior to the submittal of this remediation plan, therefore submit a remediation closure report to the OCD by 10/23/24.	7/25/2024

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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 377446

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	377446
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	8,698	
What is the estimated number of samples that will be gathered	27	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/28/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved	
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189	

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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 377446

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	377446
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touche	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.	8/26/2024

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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 377452

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	377452
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	8,698	
What is the estimated number of samples that will be gathered	27	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved	
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189	

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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 377452

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	377452
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touche	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.	8/26/2024

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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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 377454

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	377454
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,698
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/30/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189

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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 377454

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	377454
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touche	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.	8/26/2024

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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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 386961

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386961
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	8,698	
What is the estimated number of samples that will be gathered	27	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/30/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189	

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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 386961

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386961
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		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.	9/25/2024

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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 386963

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386963
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name GEORGE WELL PAD	
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,698
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189

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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 386963

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386963
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		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.	9/25/2024

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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 386964

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386964
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,698
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/02/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	(32.21286, -104.05189

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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 386964

### CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386964
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

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.	9/25/2024

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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 386966

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386966
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source		
Site Name	GEORGE WELL PAD	
Date Release Discovered	11/26/2023	
Surface Owner	Private	

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,698
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/03/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189

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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 386966

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386966
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

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.	9/25/2024

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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 386967

## **QUESTIONS**

(	Operator:	OGRID:
	MATADOR PRODUCTION COMPANY	228937
	One Lincoln Centre	Action Number:
	Dallas, TX 75240	386967
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	8,698	
What is the estimated number of samples that will be gathered	27	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/04/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved	
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189	

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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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 386967

## **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386967
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		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.	9/25/2024

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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 386969

## **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386969
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	8,698	
What is the estimated number of samples that will be gathered	27	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/30/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved	
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189	

District II

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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 386969

## **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386969
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touche	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.	9/25/2024

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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 391301

## **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	391301
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name GEORGE WELL PAD	
Date Release Discovered	11/26/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,698
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/14/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	400 sq. foot sampling variance approved
Please provide any information necessary for navigation to sampling site	32.21286, -104.05189

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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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 391301

## **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	391301
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

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.	10/9/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

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

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

QUESTIONS

Action 419794

## **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419794
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Prerequisites	
Incident ID (n#)	nAPP2333038378
Incident Name	NAPP2333038378 GEORGE WELL PAD @ 30-015-53893
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-53893] GEORGE 14 15 24S 28E #133H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GEORGE WELL PAD
Date Release Discovered	11/26/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other   Frac Tank   Drilling Mud/Fluid   Released: 467 BBL   Recovered: 450 BBL   Lost: 17 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	4" Butterfly Valve open due to no plug-in valve release 450 bbls in containment and 17 bbls on ground.

Sante Fe Main Office 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, Page 2

Action 419794

QUESTI	ONS (continued)
Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419794
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s	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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com

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 3

Action 419794

**QUESTIONS** (continued)

 Operator:
 OGRID:

 MATADOR PRODUCTION COMPANY
 228937

 One Lincoln Centre
 Action Number:

 Dallas, TX 75240
 419794

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

## QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	al and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (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	Medium	
A 100-year floodplain	Between ½ and 1 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	3870	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1210	
GRO+DRO (EPA SW-846 Method 8015M)	1210	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	10/01/2024	
On what date will (or did) the final sampling or liner inspection occur	10/14/2024	
On what date will (or was) the remediation complete(d)	10/14/2024	
What is the estimated surface area (in square feet) that will be reclaimed	0	
What is the estimated volume (in cubic yards) that will be reclaimed	0	
What is the estimated surface area (in square feet) that will be remediated	8698	
What is the estimated volume (in cubic yards) that will be remediated	161	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 4

Action 419794

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419794
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

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

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

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

I hereby agree and sign off to the above statement

Name: Jason Touchet Title: EHS Field Rep

Email: jason.touchet@matadorresources.com

Date: 01/13/2025

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

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 5

Action 419794

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419794
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

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

Phone: (505) 629-6116

Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 6

Action 419794

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419794
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 391301	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/14/2024
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	8698

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all re	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	8698	
What was the total volume (cubic yards) remediated	161	
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	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	N/A	

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

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

Name: Jason Touchet

Title: EHS Field Rep
Email: jason.touchet@matadorresources.com
Date: 01/13/2025

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, Page 7

Action 419794

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419794
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

CONDITIONS

Action 419794

## **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419794
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

C	reated By	Condition	Condition Date
	scwells	Remediation closure approved. Ensure conditions of approval are adhered to going forward.	1/17/2025