

May 23, 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

Big Bucks Fed Com 501

Incident Number nAPP2117649736

Lea County, New Mexico

#### To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Big Bucks Fed Com 501(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 nAPP2117649736.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 12, Township 21 South, Range 32 East, in Lea County, New Mexico (32.500421°, -103.621775°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On June 25, 2021, a pipeline failure resulted in the release of approximately 20 barrels (bbls) of produced water onto the caliche pad. A vacuum truck successfully recovered 15 bbls of produced water. The former operator, Ascent Energy, LLC, reported the release to the New Mexico Oil Conservation Division (NMOCD) on June 25, 2021, and subsequently the release was assigned Incident Number nAPP2117649736. Matador submitted a Release Notification Form C-141 (Form C-141) via NMOCD web portal on March 19, 2025, and the Form C-141 can be referenced on the NMOCD Portal.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, CP-02032 POD1, located within a 0.5-mile radius of the Site. The well

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



had a reported depth to groundwater greater than 105 feet below ground surface (bgs) and a total depth of 105 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.52 miles southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

#### SITE ASSESSMENT ACTIVITIES

On January 27, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Due to the lack of documentation of the original release extent for the June 2021 release, 15 preliminary soil samples (SS01 through SS15) were collected on-pad at ground surface to assess the footprint of the impacted area. Ensolum personnel returned to the Site on February 13, 2025, to advance delineation soil sample locations within the impacted area footprint. Soil samples SS01 through SS03, SS06 through SS08, and SS13 through SS14 were advanced via backhoe for vertical delineation. Potholes PH01 and PH08 were advanced to a depth of 3 feet bgs and potholes PH02, PH03, PH06 through PH08, PH13, and PH14 were advanced to a depth of 2 feet bgs. On February 20 and 24, 2025, Ensolum personnel collected six lateral delineation soil samples SS16 through SS21 to assess the lateral extent of the release. Lateral soil samples SS16 through SS21 were collected at ground surface and 1-foot bgs.

The preliminary soil samples (SS01 through SS15) were field screened for chloride utilizing Mohr Method titration. Potholes PH01 through PH08, PH13, and PH14 were field screened for chloride utilizing Hach® Chloride QuanTab® test strips and volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID). Assessment soil samples SS16 through SS21 were field screened for chloride utilizing Hach® Chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® soil analyzer system. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of delineation activities is included in Appendix B. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C.



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

#### **EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES**

Beginning on March 25, 2025, through March 28, 2025, Ensolum personnel were onsite to conduct confirmation soil sampling activities. Ensolum personnel returned to the Site on April 09, 2025, to oversee the excavation of impacted soil from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a loader, backhoe, and belly dump trucks. To direct excavation activities, Ensolum personnel screened soil for chloride utilizing chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® soil analyzer system.

Following the removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 400 square feet from the floor of the scrape. A confirmation sampling variance request was submitted on March 20, 2025, to increase the sampling area to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The confirmation sampling variance request was approved via email on March 20, 2025 (see Appendix E).

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 FS227) were collected from the floor of the excavation at depths ranging from ground surface to 1.5 feet bgs. Due to the shallow nature of the excavation, the sidewall soil samples were 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 90,724 square feet. A total of approximately 393 cubic yards of impacted soil was removed during the excavation activities and hauled to Lea Land Disposal Facility in Carlsbad, New Mexico.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS04, SS05, SS09 through SS12, and SS15 through SS21 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 lateral delineation soil samples and potholes PH02, PH03, PH06 through PH08, PH13, and PH14 were all in compliance with the Site Closure at ground surface and in compliance with the strictest Closure Criteria at a depth of 1-foot bgs; Pothole PH03 was in compliance with the strictest Closure Criteria at a depth of 2 feet bgs.

Laboratory analytical results for excavation floor soil samples FS01 through FS227 indicated all COC concentrations were compliant with the Site Closure Criteria at depths ranging from ground surface to 1.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2, 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 June 2021 release of produced water. 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.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 105 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 nAPP2117649736.

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

Sincerely,

**Ensolum, LLC** 

Ashley Giovengo

Associate Principal

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

Senior Managing Geologist

#### Appendices:

Figure 1 Site Receptor Map

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

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

Appendix A Referenced Well Records

Appendix B Photographic Log

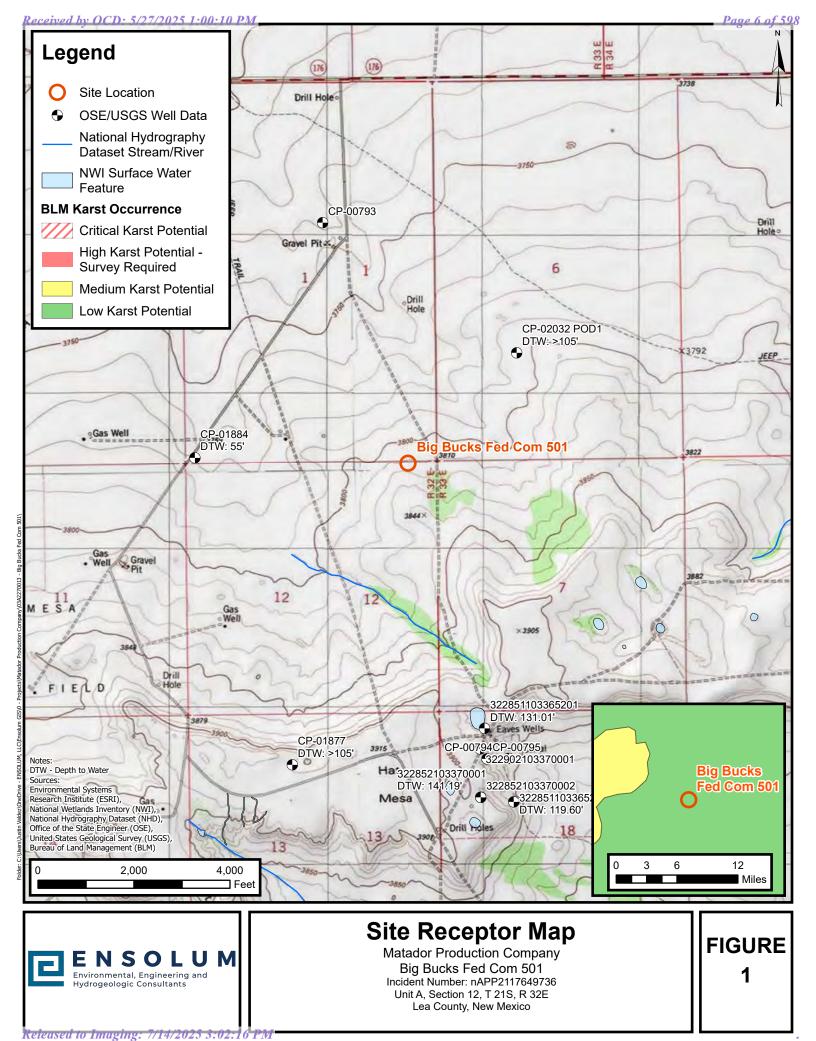
Appendix C Lithologic / Soil Sampling Logs

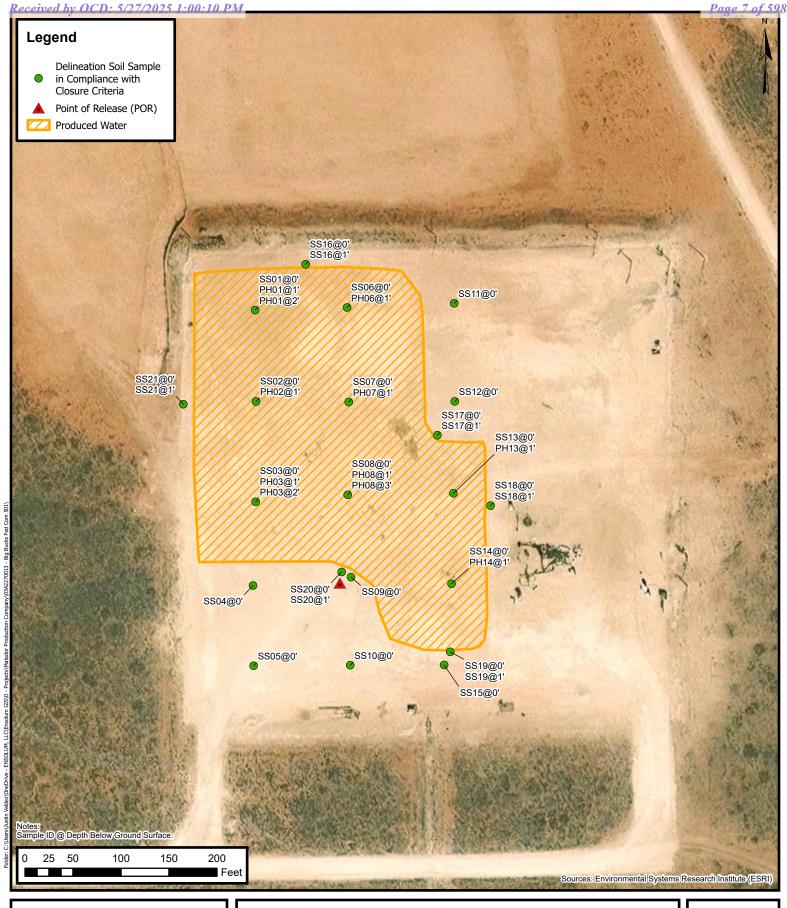
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications



**FIGURES** 



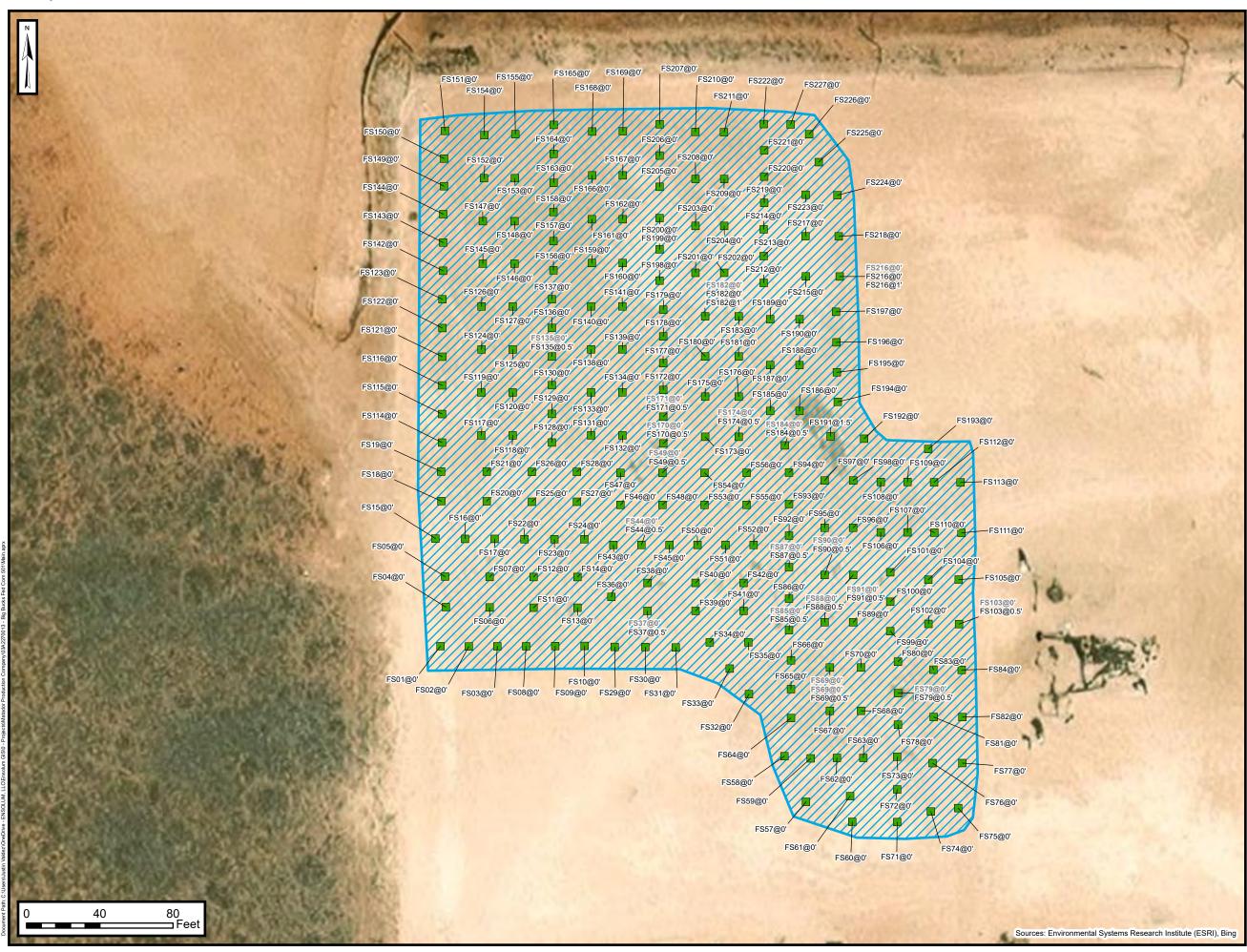




### **Delineation Soil Sample Locations**

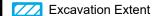
Matador Production Company Big Bucks Fed Com 501 Incident Number: nAPP2117649736 Unit A, Section 12, T 21S, R 32E Lea County, New Mexico FIGURE 2

Received by OCD: 5/27/2025 1:00:10 PM



#### | Legend

Excavation Floor Sample inCompliance with ClosureCriteria



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

# Confirmation Sample Locations

Matador Production Company Big Bucks Fed Com 501 Incident Number: nAPP2117649736 Unit A, Section 12, T 21S, R 32E Lea County, New Mexico

# FIGURE 3





**TABLES** 



#### TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS

Matador Production Company Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
				Delin	eation Soil San	nples						
SS01	1/27/2025	0	<0.0250	<0.0500	<20.0	245	127.0	245	372	38.2		
PH01	2/13/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
PH01	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
SS02	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,000		
PH02	2/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	154		
SS03	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	666		
PH03	2/13/2025	1	<0.0250	<0.0500	<20.0	53	61.8	53	115	240		
PH03	2/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	137		
SS04	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139		
SS05	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.4		
SS06	1/27/2025	0	<0.0250	<0.0500	<20.0	111	122	111	233	804		
PH06	2/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
SS07	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	828		
PH07	2/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	178		
SS08	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,260		
PH08	2/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	549		
PH08	2/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242		
SS09	1/27/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	385		
SS10	1/27/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	349		
SS11	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108		
SS12	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	430		
SS13	1/27/2025	0	<0.0250	<0.0500	<20.0	97.7	130.0	97.7	228	1,090		
PH13	2/13/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.2		
SS14	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,230		
PH14	2/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	334		
SS15	1/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	317		
SS16	2/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	206		
SS16	2/24/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.1		
SS17	2/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	190		
SS17	2/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	220		
SS18	2/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	302		
SS18	2/24/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	225		



#### TABLE 1 - CONT'D

#### **SOIL SAMPLE ANALYTICAL RESULTS**

Big Bucks Fed Com 501 **Matador Production Company** 

	Lea County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000				
	Delineation Soil Samples													
SS19	2/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	234				
SS19	2/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	165				
SS20	2/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	204				
SS20	2/24/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	318				
SS21	2/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.3				
SS21	2/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.1				

#### Notes:

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

<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**

Big Bucks Fed Com 501  Matador Production Company  Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
				Excava	tion Floor Soil S	amples						
FS01	3/27/2025	0	<0.0250	<0.0500	<20.0	30.0	<50.0	30.0	30.0	365		
FS02	3/27/2025	0	< 0.0250	<0.0500	<20.0	90.7	224	90.7	<mark>314.7</mark>	444		
FS03	3/27/2025	0	< 0.0250	<0.0500	<20.0	27.7	<50.0	27.7	27.7	560		
FS04	3/27/2025	0	<0.0250	<0.0500	<20.0	63.1	208.0	63.1	<mark>271.1</mark>	<mark>610</mark>		
FS05	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>2,690</mark>		
FS06	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>708</mark>		
FS07	3/27/2025	0	<0.0250	<0.0500	<20.0	44.5	<50.0	44.5	44.5	<mark>1,650</mark>		
FS08	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>2,390</mark>		
FS09	3/27/2025	0	<0.0250	<0.0500	<20.0	33.2	52.9	33.2	86.1	<mark>1,380</mark>		
FS10	3/27/2025	0	<0.0250	<0.0500	<20.0	33.2	50.9	33,2	84.1	<mark>6,470</mark>		
FS11	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	938		
FS12	3/27/2025	0	<0.0250	<0.0500	<20.0	33.0	<50.0	33.0	33.0	<mark>1,760</mark>		
FS13	3/27/2025	0	<0.0250	<0.0500	<20.0	283	380.0	283	663	<mark>1,920</mark>		
FS14	3/27/2025	0	<0.0250	<0.0500	<20.0	28.8	<50.0	28.8	28.8	4,270		
FS15	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,080		
FS16	3/27/2025	0	<0.0250	<0.0500	<20.0	222	253.0	222	475	815		
FS17	3/27/2025	0	<0.0250	<0.0500	<20.0	189	161	189	350 500	657		
FS18	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,310		
FS19	3/27/2025	0	<0.0250	<0.0500	<20.0	26.3	<50.0	26.3	26	4,020		
FS20	3/27/2025	0	<0.0250	<0.0500	<20.0	34.6	51	34.6	85.6	2,370		
FS21	3/27/2025	0	<0.0250	<0.0500	<20.0	35.6	61.8	35.6	97.4	6,730		
FS22	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,210		
FS23	4/10/2025	0	<0.0250	<0.0500	<20.0	76.8	60.2	76.8	137	2,130		
FS24	4/10/2025	0	<0.0250	<0.0500	<20.0	27.5	<50.0	27.5	27.5	4,410		
FS25	4/10/2025	0	<0.0250	<0.0500	<20.0	51.5	<50.0	51.5	51.5	<mark>1,460</mark>		
FS26	4/10/2025	0	<0.0250	<0.0500	<20.0	42.6	<50.0	42.6	42.6	1,730		
FS27	4/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>2,800</mark>		
FS28	4/10/2025	0	<0.0250	<0.0500	<20.0	53.7	<50.0	53.7	53.7	<mark>6,690</mark>		
FS29	4/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>3,530</mark>		
FS30	4/10/2025	0	<0.0250	<0.0500	<20.0	662	235	662	<mark>897</mark>	<mark>2,540</mark>		
FS31	3/27/2025	0	<0.0250	<0.0500	<20.0	61.4	102	61.4	<mark>163</mark>	<mark>3,160</mark>		
FS32	3/25/2025	0	<0.0250	<0.0500	<20.0	157	310	157	<mark>467</mark>	3,040		
FS33	4/10/2025	0	<0.0250	<0.0500	<20.0	158	207	158	<del>365</del>	1,970		



Matador Production Company Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
				Excava	tion Floor Soil S	amples						
FS34	4/10/2025	0	< 0.0250	< 0.0500	<20.0	129	178	129	<del>307</del>	3,370		
FS35	4/10/2025	0	<0.0250	<0.0500	<20.0	77.0	82.9	77.0	<mark>160</mark>	<del>3,610</del>		
FS36	3/27/2025	0	<0.0250	<0.0500	<20.0	122	217	122	339	<mark>2,740</mark>		
FS37	4/10/2025	0	< 0.0250	< 0.0500	<20.0	1,380	489.0	1,380	1,869	2,480		
FS37	4/28/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>2,500</mark>		
FS38	4/10/2025	0	<0.0250	<0.0500	<20.0	383	262	383	<mark>645</mark>	<mark>1,960</mark>		
FS39	3/27/2025	0	<0.0250	<0.0500	<20.0	78.5	109	78.5	<mark>188</mark>	<mark>2,320</mark>		
FS40	4/10/2025	0	<0.0250	<0.0500	<20.0	509	219	509	<mark>728</mark>	<mark>2,580</mark>		
FS41	4/10/2025	0	< 0.0250	<0.0500	<20.0	727	811	727	<mark>1,538</mark>	<mark>3,620</mark>		
FS42	4/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>851</mark>		
FS43	4/11/2025	0	<0.0250	<0.0500	<20.0	33.3	<50.0	33.3	<50.0	600		
FS44	4/11/2025	0	< 0.0250	< 0.0500	<20.0	1,080	679.0	1,080	1,759.0	2,240		
FS44	4/28/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>1,550</mark>		
FS45	4/10/2025	0	<0.0250	<0.0500	<20.0	329	293	329	<mark>622</mark>	<mark>3,420</mark>		
FS46	4/10/2025	0	<0.0250	<0.0500	<20.0	504	134	504	<mark>638</mark>	<mark>1,940</mark>		
FS47	4/10/2025	0	<0.0250	<0.0500	<20.0	796	70.3	796	<mark>866</mark>	<mark>2,480</mark>		
FS48	4/10/2025	0	<0.0250	<0.0500	<20.0	615	65.1	615	<mark>680</mark>	922		
FS49	4/10/2025	0	< 0.0250	< 0.0500	<20.0	2,120	246	2,120	2,366	1,300		
FS49	4/28/2025	0.5	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>235</mark>		
FS50	3/27/2025	0	<0.0250	<0.0500	<20.0	96.7	77.4	96.7	<mark>174</mark>	<mark>5,790</mark>		
FS51	4/10/2025	0	<0.0250	<0.0500	<20.0	274	114	274	388	2,690		
FS52	4/10/2025	0	<0.0250	<0.0500	<20.0	113	72.2	113	<mark>185</mark>	<mark>1,050</mark>		
FS53	4/10/2025	0	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,260		
FS54	4/10/2025	0	<0.0250	<0.0500	<20.0	131	70.8	131	202	1,330		
FS55	4/10/2025	0	<0.0250	<0.0500	<20.0	433	187	433	620	1,970		
FS56	4/10/2025	0	<0.0250	<0.0500	<20.0	796	575	796	1,371	2,680		
FS57	3/25/2025	0	<0.0250	<0.0500	<20.0	54.8	123	54.8	178	216		
FS58	3/25/2025	0	<0.0250	<0.0500	<20.0	76.9	167	76.9	243.9	828		
FS59	3/25/2025	0	<0.0250	<0.0500	<20.0	238	274	238	512	2,540		
FS60	3/25/2025	0	<0.0250	<0.0500	<20.0	112	284	112	396	821		
FS61	3/25/2025	0	<0.0250	<0.0500	<20.0	86.5	173	86.5	260	1,490		
FS62	3/25/2025	0	<0.0250	<0.0500	<20.0	900	382	900	1,282	3,090		
FS63	3/25/2025	0	<0.0250	<0.0500	<20.0	514	447	514	961	1,810		





Big Bucks Fed Com 501 **Matador Production Company** 

	Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000			
				Excava	tion Floor Soil S	amples							
FS64	3/25/2025	0	<0.0250	<0.0500	<20.0	361	644	361	1,005	<mark>2,960</mark>			
FS65	3/25/2025	0	<0.0250	<0.0500	<20.0	153	335	153	488	2,060			
FS66	3/25/2025	0	<0.0250	< 0.0500	<20.0	216	465	216	<mark>681</mark>	3,970			
FS67	3/25/2025	0	<0.0250	<0.0500	<20.0	339	580	339	<mark>919</mark>	<mark>4,360</mark>			
FS68	3/27/2025	0	<0.0250	<0.0500	<20.0	88.5	128.0	88.5	<mark>216.5</mark>	<mark>4,590</mark>			
FS69	3/25/2025	0	< 0.0250	< 0.0500	<20.0	6,070	14,100	6,070	20,170	1,180			
FS69	4/10/2025	0	< 0.0250	< 0.0500	<20.0	4,450	8,530	4,450	12,980	1,830			
FS69	4/28/2025	0.5	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	537			
FS70	3/25/2025	0	<0.0250	< 0.0500	<20.0	38.4	58.9	38.4	97.3	<mark>4,230</mark>			
FS71	3/25/2025	0	< 0.0250	< 0.0500	<20.0	34.8	76.6	34.8	<mark>111</mark>	155			
FS72	3/25/2025	0	< 0.0250	<0.0500	<20.0	127	207	127	<mark>334</mark>	<mark>2,780</mark>			
FS73	4/10/2025	0	< 0.0250	< 0.0500	<20.0	302	325	302	<mark>627</mark>	<mark>1,430</mark>			
FS74	3/25/2025	0	< 0.0250	< 0.0500	<20.0	191	179	191	<mark>370</mark>	<mark>1,730</mark>			
FS75	3/25/2025	0	< 0.0250	< 0.0500	<20.0	97.5	168	97.5	<mark>265.5</mark>	<mark>1,290</mark>			
FS76	3/25/2025	0	< 0.0250	< 0.0500	<20.0	652	691	652	<mark>1,343</mark>	<mark>3,570</mark>			
FS77	3/25/2025	0	<0.0250	<0.0500	<20.0	174	248	174	<mark>422</mark>	<mark>2,180</mark>			
FS78	3/25/2025	0	< 0.0250	< 0.0500	<20.0	340	437	340	<mark>777</mark>	<mark>5,530</mark>			
FS79	4/10/2025	0	< 0.0250	< 0.0500	<20.0	917	2,070	917	2,987	865			
FS79	4/28/2025	0.5	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>1,120</mark>			
FS80	3/25/2025	0	< 0.0250	<0.0500	<20.0	433	683	433	<mark>1,116</mark>	<mark>4,880</mark>			
FS81	4/10/2025	0	<0.0250	<0.0500	<20.0	457	665	457	<mark>1,122</mark>	872			
FS82	3/25/2025	0	<0.0250	<0.0500	<20.0	419	207	419	629	<mark>7,460</mark>			
FS83	3/25/2025	0	< 0.0250	< 0.0500	<20.0	339	369	339	<mark>735</mark>	2,590			
FS84	3/25/2025	0	<0.0250	<0.0500	<20.0	217	217	217	434	5,910			
FS85	4/10/2025	0	< 0.0250	<0.0500	<20.0	1,380	6,360	1,380	7,740	726			
FS85	4/28/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>1,950</mark>			
FS86	4/10/2025	0	<0.0250	<0.0500	<20.0	181	636	181	<mark>817</mark>	1,300			
FS87	4/10/2025	0	< 0.0250	<0.0500	<20.0	748	2,180	748	2,928	1,340			
FS87	4/28/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>1,840</mark>			
FS88	4/10/2025	0	< 0.0250	<0.0500	<20.0	1,530	2,840	1,530	4,370	1,590			
FS88	4/28/2025	0.5	<0.0250	<0.0500	<20.0	454	546	1,000	1,000	<mark>2,870</mark>			
FS89	4/10/2025	0	<0.0250	<0.0500	<20.0	349	603	349	952	3,110			



Matador Production Company Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
		<u>'</u>		Excava	tion Floor Soil S	amples						
FS90	4/10/2025	0	< 0.0250	< 0.0500	<20.0	1,670	3,140	1,670	4,810	992		
FS90	4/28/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	59.4	36.9	96.3	<mark>1,610</mark>		
FS91	4/10/2025	0	< 0.0250	< 0.0500	<20.0	1,730	3,290	1,730	5,020	1,670		
FS91	4/28/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>664</mark>		
FS92	3/27/2025	0	<0.0250	<0.0500	<20.0	399	598.0	399	<mark>997</mark>	<mark>2,330</mark>		
FS93	4/10/2025	0	<0.0250	<0.0500	<20.0	46.9	109	46.9	<mark>156</mark>	405		
FS94	4/10/2025	0	< 0.0250	<0.0500	<20.0	346	213	346	<mark>559</mark>	<mark>2,470</mark>		
FS95	3/25/2025	0	< 0.0250	<0.0500	<20.0	338	450	338	<mark>788</mark>	<mark>2,120</mark>		
FS96	3/25/2025	0	<0.0250	<0.0500	<20.0	349	305	349	<mark>654</mark>	<mark>4,890</mark>		
FS97	3/25/2025	0	<0.0250	<0.0500	<20.0	519	411	519	<mark>930</mark>	<mark>4,140</mark>		
FS98	4/11/2025	0	<0.0250	<0.0500	<20.0	184	<50.0	184	<50.0	<mark>863</mark>		
FS99	3/25/2025	0	<0.0250	<0.0500	<20.0	289	605	289	894	3,040		
FS100	4/10/2025	0	<0.0250	<0.0500	<20.0	66.7	135	66.7	202	<mark>2,800</mark>		
FS101	3/25/2025	0	<0.0250	<0.0500	<20.0	413	875	413	1,288	2,740		
FS102	4/10/2025	0	<0.0250	<0.0500	<20.0	156	237	156	393	<mark>1,170</mark>		
FS103	4/10/2025	0	< 0.0250	< 0.0500	<20.0	1,880	3,270	1,880	5,150	2,810		
FS103	4/28/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	309		
FS104	4/10/2025	0	<0.0250	<0.0500	<20.0	34.5	<50.0	34.5	34.5	<mark>1,710</mark>		
FS105	4/10/2025	0	<0.0250	<0.0500	<20.0	142	195	142	<mark>337</mark>	<mark>1,610</mark>		
FS106	3/25/2025	0	<0.0250	<0.0500	<20.0	394	580	394	974	3,440		
FS107	3/25/2025	0	<0.0250	<0.0500	<20.0	243	306	243	<del>549</del>	4,060		
FS108	3/25/2025	0	<0.0250	<0.0500	<20.0	710	516	710	1,226	2,710		
FS109	3/25/2025	0	<0.0250	<0.0500	<20.0	487	550	487	1,037	2,090		
FS110	3/25/2025	0	<0.0250	<0.0500	<20.0	184	285	184	469	7,090		
FS111	3/25/2025	0	<0.0250	<0.0500	<20.0	119	145	119	264	3,630		
FS112	3/25/2025	0	<0.0250	<0.0500	<20.0	106	109	106	215	1,440		
FS113	3/25/2025	0	<0.0250	<0.0500	<20.0	170	232	170	402	3,880		
FS114	3/27/2025	0	<0.0250	<0.0500	<20.0	28.9	<50.0	28.9	28.9	3,190		
FS115	3/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	928		
FS116	3/27/2025	0	<0.0250	<0.0500	<20.0	31.2	<50.0	31.2	31.2	3,830		
FS117	3/27/2025	0	<0.0250	<0.0500	<20.0	41.8	65.8	41.8	108	5,080		
FS118	4/10/2025	0	<0.0250	<0.0500	<20.0	129	76.6	129	206	2,120		



	Matador Production Company Lea County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000				
				Excava	tion Floor Soil S	amples								
FS119	4/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>1,780</mark>				
FS120	4/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,260				
FS121	4/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	563				
FS122	4/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>1,260</mark>				
FS123	3/27/2025	0	< 0.0250	<0.0500	<20.0	37.5	<50.0	37.5	37.5	<mark>3,380</mark>				
FS124	3/27/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>4,960</mark>				
FS125	4/11/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>3,030</mark>				
FS126	3/27/2025	0	< 0.0250	<0.0500	<20.0	50.7	89.5	50.7	<mark>140.2</mark>	<mark>3,910</mark>				
FS127	4/10/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>2,010</mark>				
FS128	4/10/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>5,180</mark>				
FS129	4/11/2025	0	< 0.0250	<0.0500	<20.0	38.8	<50.0	38.8	<50.0	<mark>7,820</mark>				
FS130	4/10/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>6,980</mark>				
FS131	4/10/2025	0	< 0.0250	<0.0500	<20.0	55.1	<50.0	55.1	55.1	<mark>5,980</mark>				
FS132	4/10/2025	0	<0.0250	<0.0500	<20.0	283	<50.0	283	<mark>283</mark>	<mark>1,020</mark>				
FS133	4/10/2025	0	<0.0250	<0.0500	<20.0	62.5	<50.0	62.5	62.5	<mark>4,190</mark>				
FS134	4/10/2025	0	< 0.0250	<0.0500	<20.0	169	<50.0	169	<mark>169</mark>	<mark>1,910</mark>				
FS135	4/10/2025	0	< 0.0250	< 0.0500	<20.0	48.1	<50.0	48.1	48.1	12,300				
FS135	4/28/2025	0.5	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>2,260</mark>				
FS136	4/10/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>2,750</mark>				
FS137	4/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>6,030</mark>				
FS138	4/10/2025	0	<0.0250	<0.0500	<20.0	80.2	<50.0	80.2	80.2	3,790				
FS139	4/11/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,410				
FS140	4/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,340				
FS141	3/27/2025	0	<0.0250	<0.0500	<20.0	123	110	123	<b>233</b>	2,680				
FS142	3/26/2025	0	<0.0250	<0.0500	<20.0	624	638	624	1,262	4,150				
FS143	3/26/2025	0	<0.0250	<0.0500	<20.0	336	249	336	585	2,320				
FS144	4/11/2025	0	<0.0250	<0.0500	<20.0	33.1	<50.0	33.1	<50.0	662				
FS145	3/26/2025	0	<0.0250	<0.0500	<20.0	92.4	101	92.4	193.4	4,670				
FS146	3/26/2025	0	<0.0250	<0.0500	<20.0	71.2	91.7	71.2	162.9	3,840				
FS147	3/26/2025	0	<0.0250	<0.0500	<20.0	156	108	156	264	3,130				
FS147	3/26/2025	0	<0.0250	<0.0500	<20.0	126	128	126	254	3,430				
FS146 FS149		0		<u>.                                      </u>			310	364						
	3/26/2025		<0.0250	<0.0500	<20.0	364			674	8,000				
FS150	3/26/2025	0	<0.0250	<0.0500	<20.0	47.4	73.0	47.4	<mark>120.4</mark>	<mark>3,390</mark>				



Matador Production Company Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
				Excava	tion Floor Soil S	amples						
FS151	3/26/2025	0	<0.0250	< 0.0500	<20.0	34.0	60.4	34.0	94.4	551		
FS152	3/26/2025	0	<0.0250	<0.0500	<20.0	313	173	313	<mark>486</mark>	<mark>3,870</mark>		
FS153	3/26/2025	0	<0.0250	<0.0500	<20.0	466	265	466	<mark>731</mark>	880		
FS154	3/26/2025	0	<0.0250	<0.0500	<20.0	104	95.6	104	<mark>200</mark>	<mark>2,330</mark>		
FS155	4/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	97.2		
FS156	4/10/2025	0	<0.0250	<0.0500	<20.0	98.0	50.6	98.0	<mark>149</mark>	581		
FS157	3/26/2025	0	<0.0250	<0.0500	<20.0	317	248	317	<mark>565</mark>	<mark>5,430</mark>		
FS158	3/26/2025	0	<0.0250	<0.0500	<20.0	506	352	506	<mark>858</mark>	<mark>1,830</mark>		
FS159	4/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	822		
FS160	3/26/2025	0	<0.0250	<0.0500	<20.0	182	92.5	182	<mark>275</mark>	521		
FS161	3/26/2025	0	<0.0250	<0.0500	<20.0	381	266	381	<mark>647</mark>	<mark>1,680</mark>		
FS162	3/26/2025	0	<0.0250	<0.0500	<20.0	131	148	131	<mark>279</mark>	409		
FS163	3/26/2025	0	<0.0250	<0.0500	<20.0	821	472	821	1,293	415		
FS164	3/26/2025	0	<0.0250	<0.0500	<20.0	473	418	473	<mark>891</mark>	568		
FS165	3/26/2025	0	<0.0250	<0.0500	<20.0	420	344	420	<mark>764</mark>	<mark>3,250</mark>		
FS166	3/26/2025	0	<0.0250	<0.0500	<20.0	502	314	502	<mark>816</mark>	<mark>642</mark>		
FS167	3/26/2025	0	<0.0250	<0.0500	<20.0	287	219	287	<del>506</del>	<mark>654</mark>		
FS168	3/26/2025	0	<0.0250	<0.0500	<20.0	315	226	315	<mark>541</mark>	<mark>2,670</mark>		
FS169	4/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	258		
FS170	4/10/2025	0	< 0.0250	< 0.0500	<20.0	5,650	652	5,650	6,302	1,180		
FS170	4/28/2025	0.5	<0.0250	<0.0500	<20.0	59.1	<50.0	59.1	59.1	<mark>789</mark>		
FS171	4/10/2025	0	< 0.0250	< 0.0500	<20.0	3,190	248	3,190	3,438	4,680		
FS171	4/28/2025	0.5	<0.0250	<0.0500	<20.0	439	<50.0	439	<mark>439</mark>	<mark>1,230</mark>		
FS172	4/10/2025	0	< 0.0250	< 0.0500	<20.0	1,240	176.0	1,240	1,416	2,900		
FS172	4/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.2		
FS173	4/10/2025	0	<0.0250	<0.0500	<20.0	687	150	687	<mark>837</mark>	<mark>2,580</mark>		
FS174	4/10/2025	0	< 0.0250	< 0.0500	<20.0	4,130	820	4,130	4,950	1,540		
FS174	4/28/2025	0.5	<0.0250	<0.0500	<20.0	37.3	<50.0	37.3	37.3	<mark>604</mark>		
FS175	3/27/2025	0	<0.0250	<0.0500	<20.0	560	309.0	560	<mark>869</mark>	<mark>2,940</mark>		
FS176	3/27/2025	0	<0.0250	<0.0500	<20.0	247	204	247	<mark>451</mark>	<mark>1,400</mark>		
FS177	4/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>830</mark>		
FS178	3/27/2025	0	<0.0250	<0.0500	<20.0	415	230.0	415	<mark>645</mark>	<mark>2,010</mark>		





Big Bucks Fed Com 501 **Matador Production Company** 

Matador Production Company  Lea County, New Mexico												
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)			
Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000			
			Excava	tion Floor Soil S	amples							
3/27/2025	0	<0.0250	<0.0500	<20.0	168	130	168	<mark>298</mark>	<mark>2,480</mark>			
3/27/2025	0	<0.0250	<0.0500	<20.0	200	132	200	332	1,290			
3/27/2025	0	<0.0250	<0.0500	<20.0	200	176	200	<mark>376</mark>	<mark>959</mark>			
3/27/2025	0	< 0.0250	< 0.0500	<20.0	1,240	670.0	1,240	1,910	1,040			
4/11/2025	0	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>654</mark>			
4/28/2025	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0			
3/27/2025	0	<0.0250	<0.0500	<20.0	588	310.0	588	<mark>898</mark>	<mark>1,090</mark>			
4/10/2025	0	< 0.0250	< 0.0500	<20.0	2,180	1,650.0	2,180	3,830	696			
	0.5		< 0.0500			<50.0		<50.0	<mark>1,470</mark>			
	0				59.3		59.3	<mark>143</mark>	343			
4/11/2025	1	<0.0250	< 0.0500	<20.0	140	<50.0	140	<50.0	558			
3/26/2025	0	<0.0250	<0.0500	<20.0	171	110.0	171	<mark>281</mark>	<mark>1,510</mark>			
3/26/2025	0	<0.0250	< 0.0500	<20.0	216	133.0	216	<mark>349</mark>	<mark>792</mark>			
3/26/2025	0	<0.0250	< 0.0500	<20.0	75.5	97.8	75.5	<mark>173.3</mark>	<mark>642</mark>			
3/26/2025	0	<0.0250	< 0.0500	<20.0	198	268	198	<mark>466</mark>	<mark>659</mark>			
4/11/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0			
3/26/2025	0	<0.0250	<0.0500	<20.0	50.9	<50.0	50.9	50.9	459			
3/25/2025	0	<0.0250	<0.0500	<20.0	151	133	151	<mark>284</mark>	1,280			
4/11/2025	0	<0.0250	<0.0500	<20.0	52.5	<50.0	52.5	<50.0	156			
3/26/2025	0	<0.0250	<0.0500	<20.0	45.1	52.1	45.1	97.2	531			
	0							<mark>155.2</mark>	2,190			
	0							604	3,840			
3/26/2025	0	<0.0250	<0.0500	<20.0	252	206.0	252	458	1,200			
	0								1,100			
	0	<0.0250	<0.0500			351.0		962	897			
3/28/2025	0		<0.0500						2,130			
					·				867			
	0							346	2,130			
									2,290			
									726			
									1,660			
	0								430			
	3/27/2025 3/27/2025 3/27/2025 3/27/2025 4/11/2025 4/28/2025 3/27/2025 4/10/2025 4/10/2025 4/10/2025 4/11/2025 3/26/2025	Stosure Criteria (NMAC 19.15.29)   Stosure Criter	Section   Criteria (NMAC 19.15.29)   10   10	Colore Criteria (NMAC 19.15.29)   10   50	Continue	Content   Cont	Color					



#### Big Bucks Fed Com 501 **Matador Production Company**

	Lea County, New Mexico											
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
				Excava	ation Floor Soil S	amples						
FS208	4/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<mark>692</mark>		
FS209	3/28/2025	0	<0.0250	<0.0500	<20.0	98.8	56.8	98.8	<mark>156</mark>	<mark>1,970</mark>		
FS210	3/28/2025	0	<0.0250	<0.0500	<20.0	213	156	213	<mark>369</mark>	<mark>4,960</mark>		
FS211	4/11/2025	0	<0.0250	<0.0500	<20.0	62.4	64.2	62.4	<mark>127</mark>	<mark>1,180</mark>		
FS212	3/28/2025	0	<0.0250	<0.0500	<20.0	159	85.3	159	<mark>244</mark>	<mark>757</mark>		
FS213	3/28/2025	0	< 0.0250	<0.0500	<20.0	114	63.7	114	<mark>178</mark>	<mark>618</mark>		
FS214	3/28/2025	0	< 0.0250	<0.0500	<20.0	210	111.0	210	<mark>321</mark>	<mark>665</mark>		
FS215	3/28/2025	0	<0.0250	<0.0500	<20.0	148	57.4	148	<mark>205</mark>	172		
FS216	3/26/2025	0	< 0.0250	< 0.0500	<20.0	1,010	419	1,010	1,429	924		
FS216	4/11/2025	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	156		
FS216	4/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
FS217	3/28/2025	0	<0.0250	<0.0500	<20.0	48.0	<50.0	48.0	48.0	214		
FS218	3/26/2025	0	<0.0250	<0.0500	<20.0	420	243	420	<mark>663</mark>	261		
FS219	3/28/2025	0	<0.0250	<0.0500	<20.0	154	87.6	154	<mark>241.6</mark>	<mark>651</mark>		
FS220	3/28/2025	0	<0.0250	<0.0500	<20.0	219	167.0	219	<mark>386</mark>	<mark>1,720</mark>		
FS221	3/28/2025	0	<0.0250	<0.0500	<20.0	293	235	293	<mark>528</mark>	<mark>850</mark>		
FS222	3/28/2025	0	<0.0250	<0.0500	<20.0	141	144	141	<mark>285</mark>	534		
FS223	3/26/2025	0	<0.0250	<0.0500	<20.0	533	361	533	<mark>894</mark>	<mark>1,790</mark>		
FS224	3/26/2025	0	<0.0250	<0.0500	<20.0	349	219	349	<u>568</u>	429		
FS225	3/26/2025	0	<0.0250	<0.0500	<20.0	34.8	67.7	34.8	<mark>102.5</mark>	175		
FS226	3/26/2025	0	<0.0250	<0.0500	<20.0	61.7	116	61.7	<mark>177.7</mark>	422		
FS227	3/26/2025	0	<0.0250	<0.0500	<20.0	31.0	<50.0	31.0	31.0	<mark>610</mark>		

#### 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

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

<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.



**APPENDIX A** 

Well Log and Record



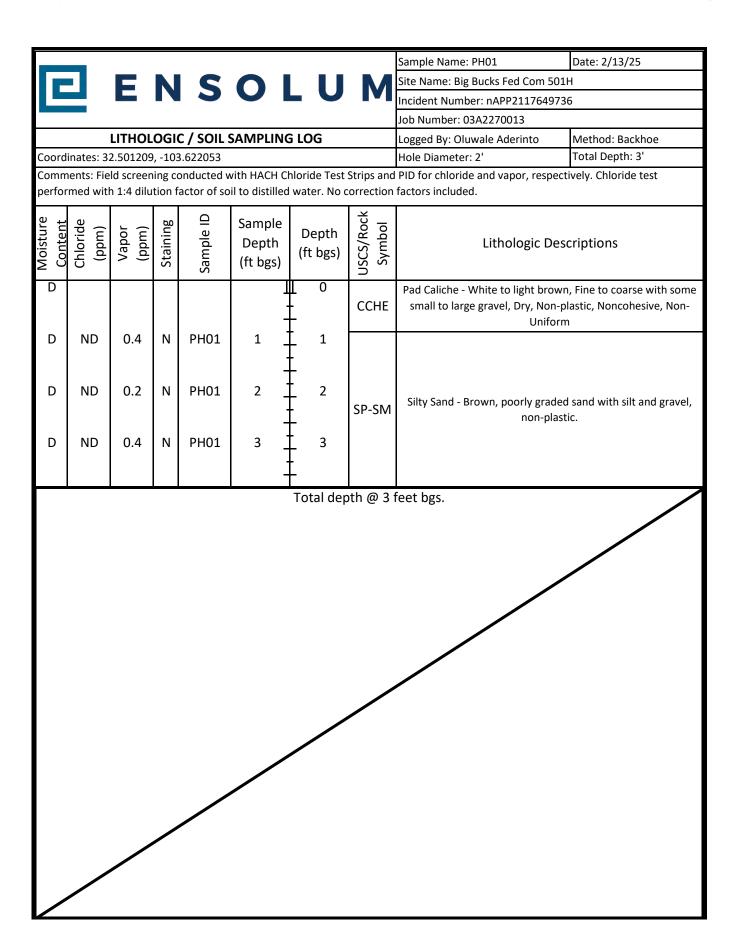
LICENSE NO. WD1188    DRILLING STARTED   11/12/2024   10/5   SHALLOW (UNCONFINED)   STATIC WATER IEVEL IN COMPLETED N/A    DRILLING FLUID:	
LICENSE NO. WD1188    DRILLING STARTED   11/12/2024   10/5   SHALLOW (UNCONFINED)   STATIC WATER IEVEL IN COMPLETED N/A    DRILLING FLUID:	ZIP
LICENSE NO WD1188    DEPTH (feet bgl)   BORE HOLE	
LICENSE NO WD1188    DEPTH (feet bgl)   BORE HOLE	
WD1188    DRILLING STARTED   DRILLING ENDED   DEPTH OF COMPLETED WELL (FT)   105   DEPTH WATER FIRST ENCOUNTERED IN I/A	
TITIZZO24 TO STATIC WATER LEVEL IN COMPLETED N/A  COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)  DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:  DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY:  DEPTH (feet bgl) BORE HOLE DIAM (inches) (include each casing string, and note sections of screen)  O 105 5.00 Soil Boring  DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT METHORS (Inches)  DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT METHORS (Inches)	nc.
DEPTH (feet bgl)   DEPTH (feet	T)
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	VELL (FT)
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	SLOT SIZE (inches
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	Jan In
DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL AND AMOUNT MET	4
DI A	+
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DI A	
DOKE HOLL	
DI A	
DOKE HOLL	HOD OF
N/A WATERI	EMENT
J.LAR MAT	
Y	
OSE DII ROSWELL NM 20 NOV '24 rM2:40	
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version Of the No. 170004	1/30/19)
THE MODE	GE 1 OF 2

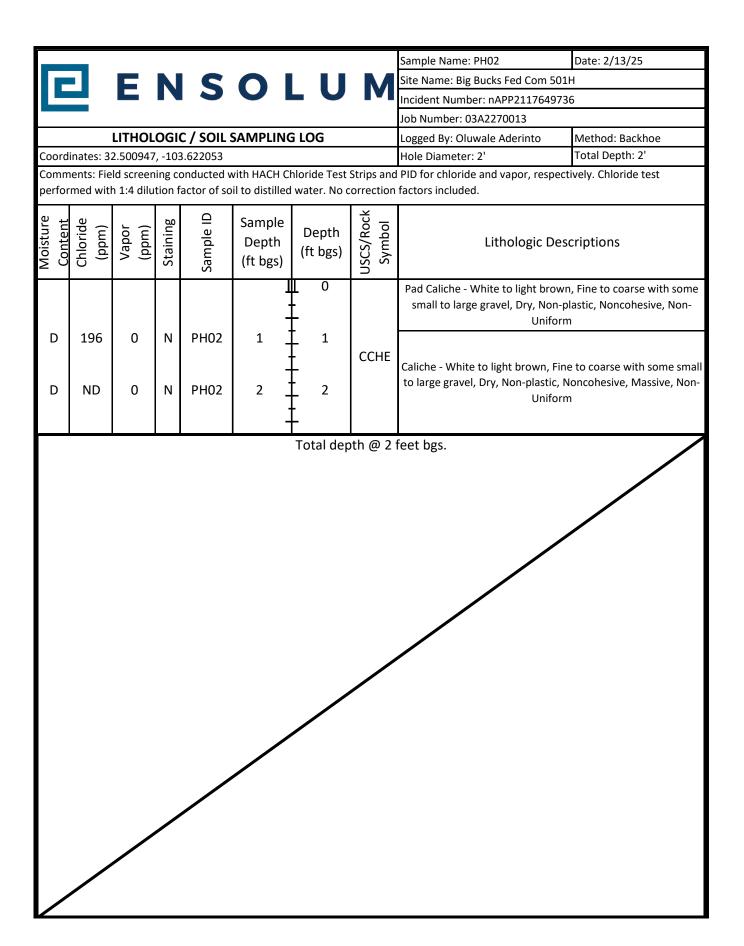
	DEPTH (fee	t bgl)	7.5	COLOR AN	D TYPE OF MAT	ERIAL EN	ICOUN'	ΓERED -		WA	TER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		ER-BEARING CAV				3		UNG?	WATER- BEARING ZONES (gpm)
	0	10	10	Sand with Gra	vel, Red, Fine grain	ned with s	mall to l	arge gravel		Y	✓ N	
	10	20	10	Sand with Gra	vel, Red, Fine grai	ned with s	mall to l	arge gravel	-41	Y	✓ N	
	20	30	10		Silty Sand, Red,	Fine grain	ed			Y	✓ N	
	30	40	10		Silty Sand, Red,	Fine grain	ed			Y	√ N	
	40	50	10		Silty Sand, Red,	Fine grain	ed			Y	✓ N	
4	50	60	10	Silty Gravel with Sand	d, Red, Very fine to	Medium	Grained	with Large Gr	ravel	Y	√N	
4. HYDROGEOLOGIC LOG OF WELL	60	70	10	Silty Gravel with Sand	d, Red, Very fine to	Medium	Grained	with Large Gr	ravel	Y	✓ N	
OF	70	80	10	Silty Gravel with Sand	d, Red, Very fine to	Medium	Grained	with Large Gr	ravel	Y	√ N	
90	80	90	10	Silty Gravel with Sand	d, Red, Very fine to	Medium	Grained	with Large Gr	ravel	Y	✓ N	
ICI	90	100	10	Fat Clay with	Gravel, Red, Very	fine with s	mall to l	arge gravel		Y	√N	
507	100	105	5	Fat Clay with	Gravel, Red, Very	fine with s	mall to l	arge gravel		Y	√ N	
EO	105	105	0	Fat Clay with	Gravel, Red, Very	fine with s	mall to l	arge gravel		Y	✓ N	
ROC										Y	N	
IVD										Y	N	
4										Y	N	
										Y	N	
										Ý	N	
				7,0						Y	N	
										Y	N	
										Y	N	
			1 3 6							Y	N	
		-V		OF WATER-BEARING							MATED (gpm):	0.00
	PUMP	_			THER - SPECIFY:							
NOI	WELL TEST	TEST STAR	RESULTS - ATT T TIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SI	TA COLLECTED I HOWING DISCHA	OURING VARGE AND	VELL TO DRAV	ESTING, INC VDOWN OVI	LUDIN ER THE	G DISC TESTI	HARGE I	METHOD, DD.
5. TEST; RIG SUPERVISION	MISCELLANI	EOUS INI	FORMATION: To be	emporary well materia clow ground surface (l	al removed and s bgs), then hydrat	oil boring ed benton	backfi ite chip	s 10 ft bgs to	groun	d surfa	m total doce.	
S. TES	PRINT NAME	(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PRO	VIDED ONSITE S	SUPERVIS	SION OF	WELL CON	STRUC	TION C	THER T	IAN LICENSEE:
6. SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	IAT TO THE BEST OF WELL. I ALSO CERT WITH THE PERMIT H	IFY THAT THE V	VELL TAC	J. IF RE	QUIRED, HA	S BEEN	INSTA	LLED A	ND THAT THIS
	11,	SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME						DATE	
FOR	R OSE INTERNA	AL USE						WR-20 WE	LL REC	ORD &	LOG (Ve	rsion 04/30/2019)
	ENO. CP-	203	32		POD NO.			TRN NO.		60	1	
LO	CATION 215		36.06	123			WELL	TAG ID NO.	NA			PAGE 2 OF 2

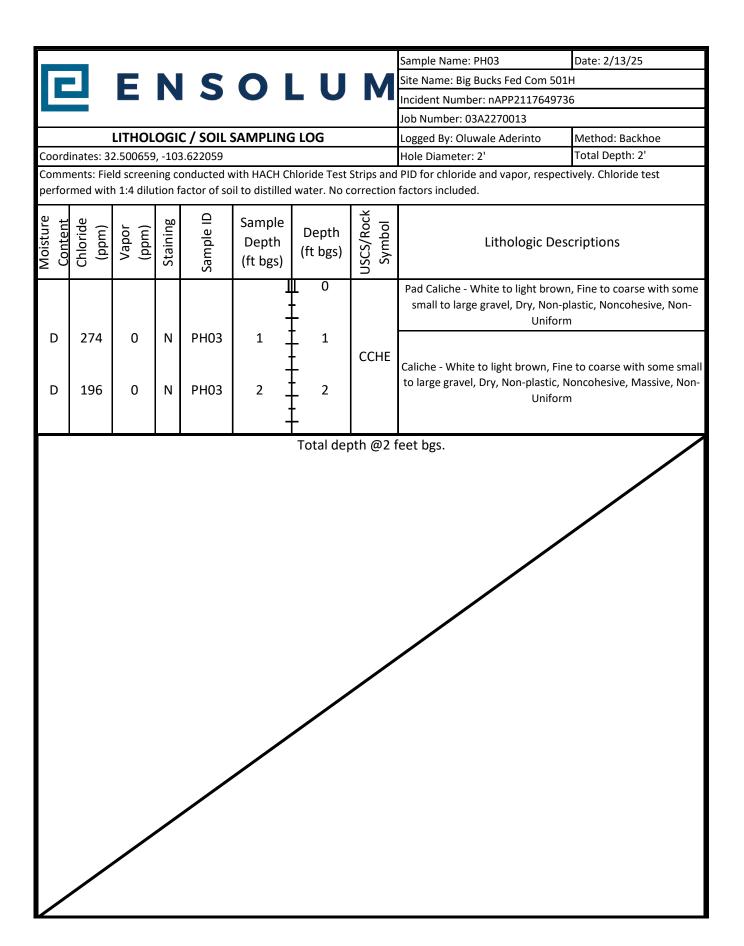


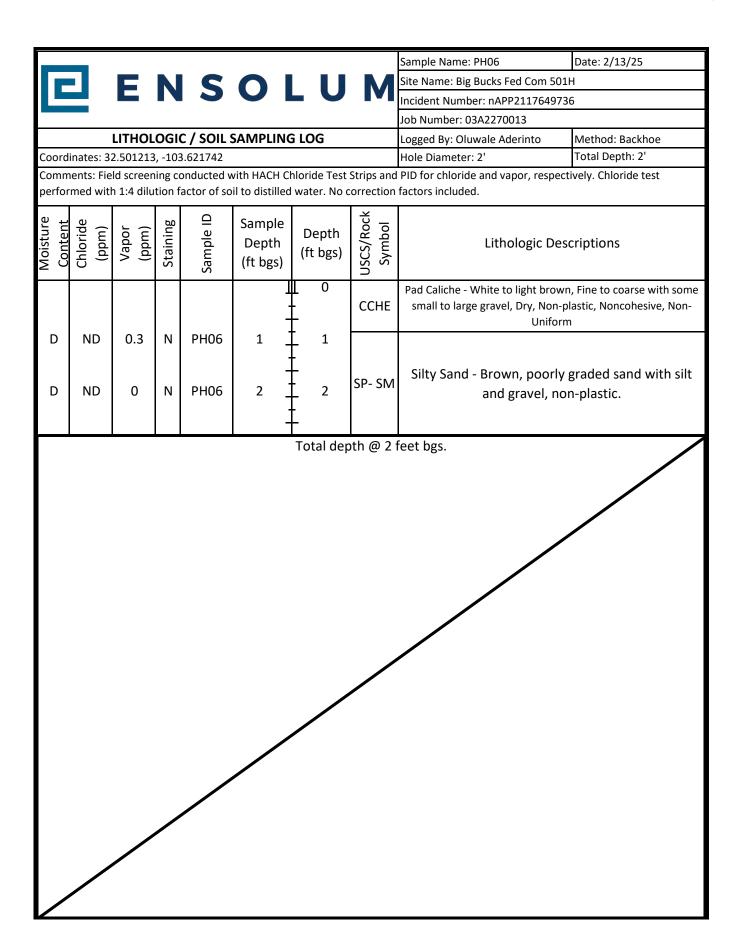
**APPENDIX B** 

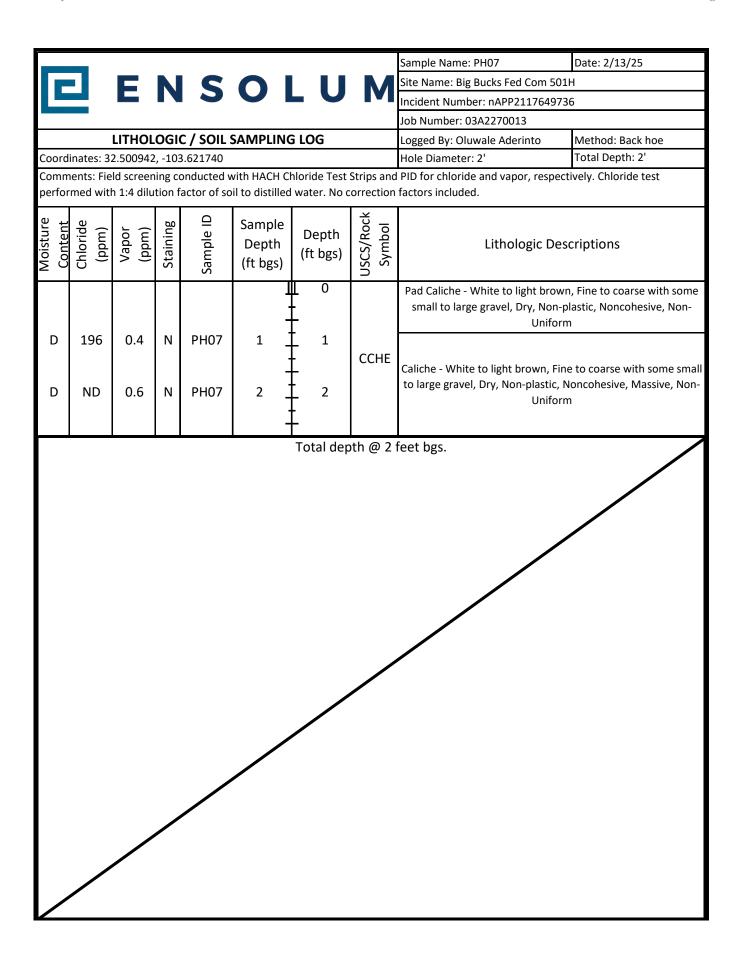
Lithologic Soil Sampling Logs

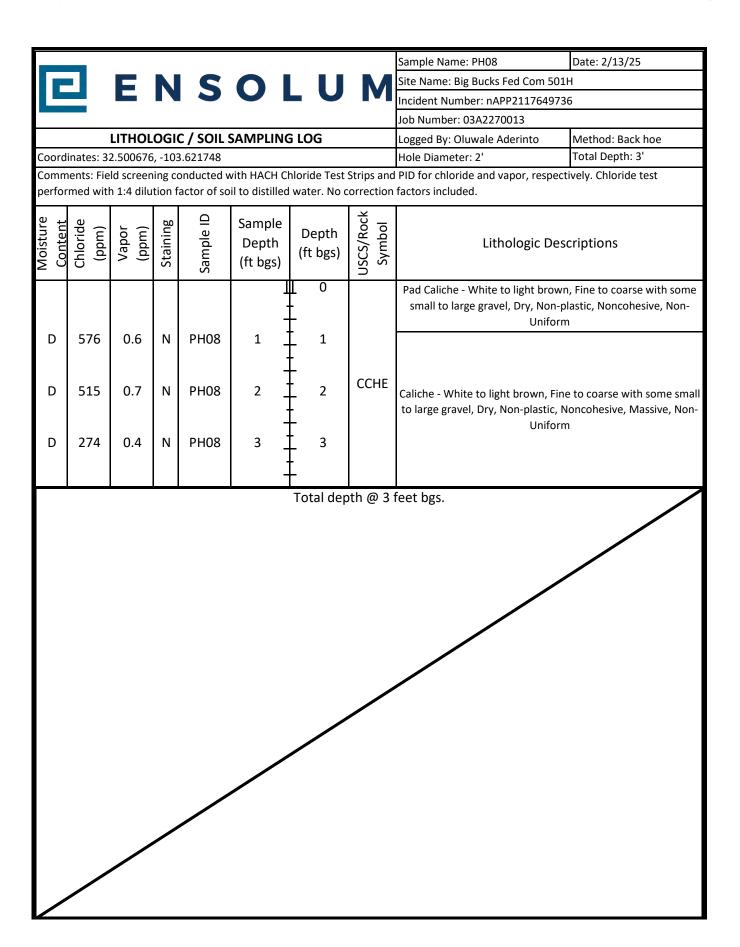


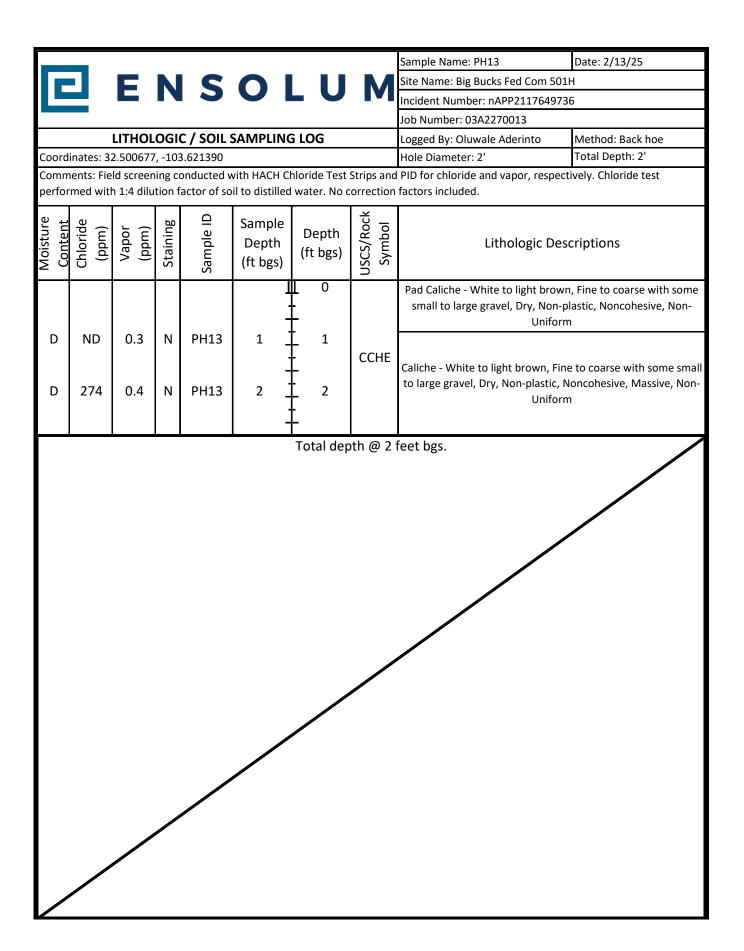


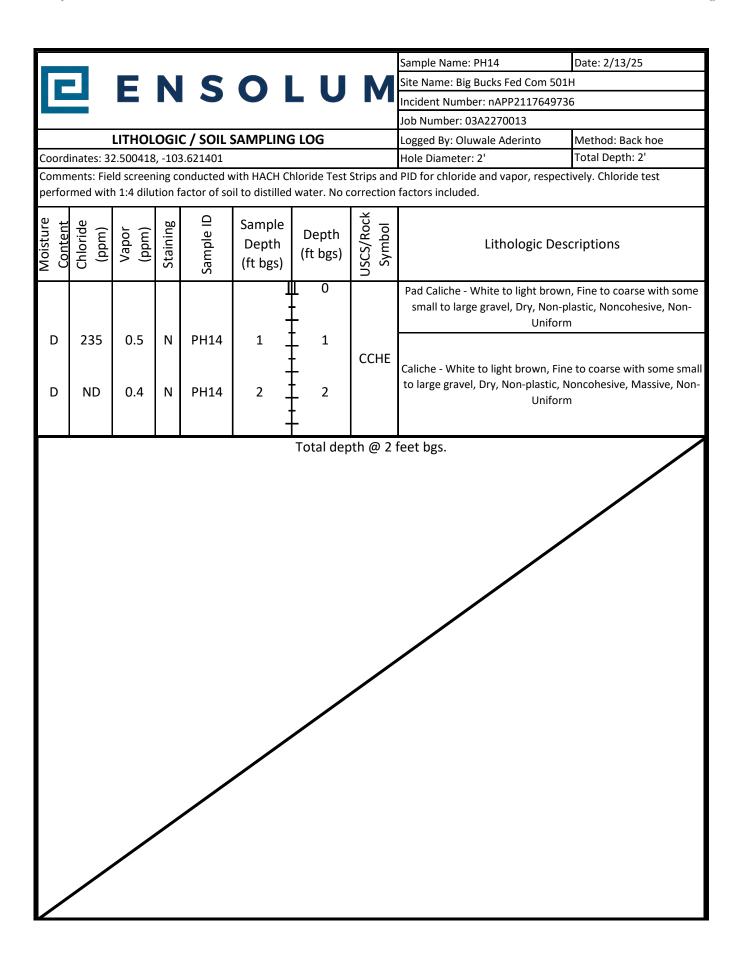














**APPENDIX C** 

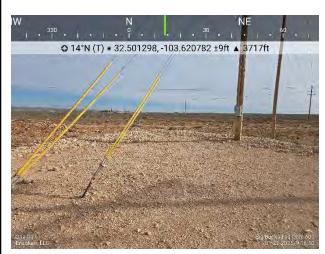
Photographic Log

# **ENSOLUM**

#### **Photographic Log**

Matador Production Company Big Bucks Fed Com 501 Incident Number: nAPP2117649736





Photograph 1
Description: Signage

scription: Signage
View: Northwest

Date:1/22/2025

Photograph 2
Description: One Call

View: North





Photograph 3

Description: One Call
View: Northeast

Date: 1/22/2025

Photograph 4

Description: One Call
View: Northeast

Date:1/22/2025

Date:1/22/2025

### **ENSOLUM**

#### **Photographic Log**

**Matador Production Company** Big Bucks Fed Com 501 Incident Number: nAPP2117649736





Photograph 5

Description: Delineation View: South

Photograph 6

Description: Delineation View: North

Date:1/27/2025

Date: 1/27/2025





Photograph 7

Description: PH01 View: South Date: 2/13/2025

Photograph 8 Description: PH06

View: South

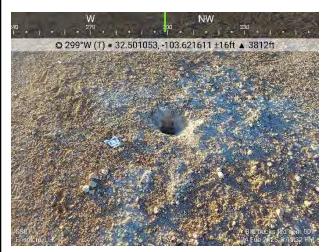
Date: 2/13/2025



#### Photographic Log

Matador Production Company Big Bucks Fed Com 501 Incident Number: nAPP2117649736





Photograph 9

Description: PH14 View: North Date: 2/13/2025

Photograph 10 Description: SS01

View: Northwest

Date: 2/24/2025





Photograph 11 Description: SS04

View: East

Date: 2/24/2025

Photograph 12 Description: SS06

View: West

Date: 2/24/2025

# **ENSOLUM**

#### **Photographic Log**

Matador Production Company Big Bucks Fed Com 501 Incident Number: nAPP2117649736





Photograph 13 Date: 3/25/2025

Description: Confirmation sampling

View: South

Photograph 14 Date: 3/25/2025

Description: Confirmation sampling

View: Southeast





Photograph 15 Date: 3/26/2025

Description: Confirmation sampling

View: Southeast

Photograph 16 Date: 3/27/2025

Description: Confirmation sampling

View: Northeast



#### **Photographic Log**

Matador Production Company Big Bucks Fed Com 501 Incident Number: nAPP2117649736





Date: 04/10/2025

Photograph 17 Date: 04/09/2025

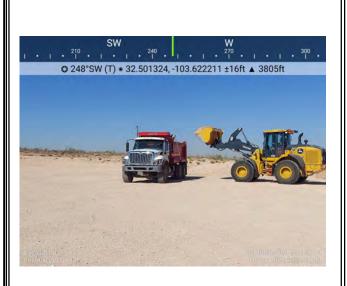
**Description: Excavation Activities** 

View: West

Photograph 18

**Description: Excavation Activities** 

View: South





Photograph 3 Date: 04/10/2025

**Description: Excavation Activities** 

View: Southwest

Photograph 4 Date: 04/28/2025

Description: Confirmation Soil Sampling

View: East



## 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: Big Bucks Fed Com 501

Work Order: E501223

Job Number: 23003-0002

Received: 1/30/2025

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 2/10/25

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

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

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

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

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

Date Reported: 2/10/25

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

Project Name: Big Bucks Fed Com 501

Workorder: E501223

Date Received: 1/30/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/30/2025 7:15:00AM, under the Project Name: Big Bucks Fed Com 501.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501 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:	Big Bucks Fed Com 501	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/10/25 12:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E501223-01A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS02-0'	E501223-02A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS03-0'	E501223-03A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS04-0'	E501223-04A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS05-0'	E501223-05A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS06-0'	E501223-06A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS07-0'	E501223-07A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS08-0'	E501223-08A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS09-0'	E501223-09A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS10-0'	E501223-10A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS11-0'	E501223-11A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS12-0'	E501223-12A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS13-0'	E501223-13A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS14-0'	E501223-14A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.
SS15-0'	E501223-15A	Soil	01/27/25	01/30/25	Glass Jar, 2 oz.

Project Name: Bug Bucks Fed Com 501

Workorder:E501223

Date Received: 01/30/25 07:15

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

 Sample Name
 Laboratory ID
 Analysis

 SS03-0'
 E501223-03A
 Chloride 300.0

 SS07-0'
 E501223-07A
 Chloride 300.0

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

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

Respectfully,

Walter Hinchman

### **Sample Data**

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 12:40:28PM

#### SS01-0' E501223-01

		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2505102
Benzene	ND	0.0250		1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250		1	01/30/25	01/31/25	
Toluene	ND	0.0250		1	01/30/25	01/31/25	
o-Xylene	ND	0.0250		1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500		1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		98.1 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		98.1 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: HM		Batch: 2505111
Diesel Range Organics (C10-C28)	245	25.0		1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	127	50.0		1	01/30/25	01/31/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 12:40:28PM

SS01-0'

		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2505111			
Surrogate: n-Nonane		108 %	61-141	01/30/25	01/31/25				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2505116			
Chloride	38.2	20.0	1	01/30/25	01/31/25				



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

SS02-0'

		12011110 01					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:		,	Batch: 2505102
Benzene	ND	0.0250			01/30/25	01/31/25	Batch: 2303102
Ethylbenzene	ND	0.0250		1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		105 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		105 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	01/30/25	01/31/25	
Surrogate: n-Nonane		109 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2505116
Chloride	3000	40.0	2	2	01/30/25	01/31/25	
Chloride	3000	40.0	2	2	01/30/25	01/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

SS03-0'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	BA		Batch: 2505102
Benzene	ND	0.0250	1		01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1		01/30/25	01/31/25	
Toluene	ND	0.0250	1		01/30/25	01/31/25	
o-Xylene	ND	0.0250	1		01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1		01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1		01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		97.9 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		105 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: BA			Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		97.9 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		105 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	НМ		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0	1		01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	01/30/25	01/31/25	
Surrogate: n-Nonane		109 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	JM		Batch: 2506111
Chloride	666	20.0	1		01/30/25	02/07/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS04-0'

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2505102
Benzene	ND	0.0250		1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250		1	01/30/25	01/31/25	
Toluene	ND	0.0250		1	01/30/25	01/31/25	
o-Xylene	ND	0.0250		1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500		1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	·	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		97.9 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		97.9 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0		1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/30/25	01/31/25	
Surrogate: n-Nonane		112 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2505116
Chloride	139	20.0		1	01/30/25	01/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002

5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 **Reported:**Dallas TX, 75240 Project Manager: Ashley Giovengo 2/10/2025 12:40:28PM

SS05-0'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: BA			Batch: 2505102
Benzene	ND	0.0250	1		01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1		01/30/25	01/31/25	
Toluene	ND	0.0250	1		01/30/25	01/31/25	
o-Xylene	ND	0.0250	1		01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1		01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1		01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		94.4 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: B	A		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		94.4 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: H	M		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0	1		01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1		01/30/25	01/31/25	
Surrogate: n-Nonane		108 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: Jl	М		Batch: 2505116
Chloride	80.4	20.0	1		01/30/25	01/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS06-0'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Benzene	ND	0.0250		1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	]	1	01/30/25	01/31/25	
Toluene	ND	0.0250	]	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250		1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500		1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	į	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.2 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.2 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2505111
Diesel Range Organics (C10-C28)	111	25.0		1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	122	50.0	į	1	01/30/25	01/31/25	
Surrogate: n-Nonane		109 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2505116
						·	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

SS07-0'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Benzene	ND	0.0250		1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250		1	01/30/25	01/31/25	
Toluene	ND	0.0250	]	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250		1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	]	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	į	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.0 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.0 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	HM		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0		1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/30/25	01/31/25	
Surrogate: n-Nonane		109 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2506111



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS08-0'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Benzene	ND	0.0250	1	l	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	[	01/30/25	01/31/25	
Toluene	ND	0.0250	1	l	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	l	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	l	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene	·	95.8 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		95.8 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/30/25	01/31/25	_
Oil Range Organics (C28-C36)	ND	50.0	1	[	01/30/25	01/31/25	
Surrogate: n-Nonane		112 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2505116
		20.0			01/30/25	01/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

SS09-0'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2505102
Benzene	ND	0.0250	1		01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1		01/30/25	01/31/25	
Toluene	ND	0.0250	1		01/30/25	01/31/25	
o-Xylene	ND	0.0250	1		01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1		01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1		01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		94.6 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		94.6 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: H	IM		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0	1		01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1		01/30/25	01/31/25	
Surrogate: n-Nonane		110 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: J	М		Batch: 2505116
· · · · · · · · · · · · · · · · · · ·	385	20.0	1		01/30/25	01/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS10-0'

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2505102
Benzene	ND	0.0250	1	l	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	l	01/30/25	01/31/25	
Toluene	ND	0.0250	1	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	l	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	l	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	l	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	_	Analyst:	: BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		104 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: HM		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	01/30/25	01/31/25	
Surrogate: n-Nonane		114 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	_	Analyst:	: JM		Batch: 2505116
Chloride	349	20.0	1		01/30/25	01/31/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS11-0'

#### E501223-11 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: BA Batch: 2505102 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 01/31/25 ND 0.0250 01/30/25 Benzene 01/30/25 01/31/25 Ethylbenzene ND 0.0250 1 ND 0.0250 01/30/25 01/31/25 Toluene 01/31/25 1 01/30/25 o-Xylene ND 0.0250 01/30/25 01/31/25 ND 0.0500 1 p,m-Xylene 01/30/25 01/31/25 1 Total Xylenes ND 0.0250 01/31/25 01/30/25 Surrogate: Bromofluorobenzene 98.0 % 70-130 01/30/25 01/31/25 Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 Surrogate: Toluene-d8 102 % 70-130 01/30/25 01/31/25 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: BA Batch: 2505102 ND 01/30/25 01/31/25 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 98.0 % 01/30/25 01/31/25 70-130 102 % 01/30/25 01/31/25 Surrogate: 1,2-Dichloroethane-d4 70-130 Surrogate: Toluene-d8 01/30/25 01/31/25 102 % 70-130 mg/kg Analyst: HM Batch: 2505111 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 01/31/25 ND 25.0 1 01/30/25 Diesel Range Organics (C10-C28) ND 50.0 1 01/30/25 01/31/25 Oil Range Organics (C28-C36) 111 % 61-141 01/30/2501/31/25 Surrogate: n-Nonane

mg/kg

20.0

Analyst: JM

01/30/25

01/31/25

1

mg/kg

108



Batch: 2505116

Anions by EPA 300.0/9056A

Chloride

Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

SS12-0'

#### E501223-12 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: BA Batch: 2505102 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 01/31/25 ND 0.0250 01/30/25 Benzene 01/30/25 01/31/25 Ethylbenzene ND 0.0250 1 ND 0.0250 1 01/30/25 01/31/25 Toluene 01/31/25 1 01/30/25 o-Xylene ND 0.0250 01/30/25 01/31/25 ND 0.0500 1 p,m-Xylene 01/30/25 01/31/25 1 Total Xylenes ND 0.0250 01/31/25 01/30/25 Surrogate: Bromofluorobenzene 96.2 % 70-130 01/30/25 01/31/25 Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 Surrogate: Toluene-d8 102 % 70-130 01/30/25 01/31/25 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: BA Batch: 2505102 ND 01/30/25 01/31/25 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 96.2 % 01/30/25 01/31/25 70-130 101 % 01/30/25 01/31/25 Surrogate: 1,2-Dichloroethane-d4 70-130 Surrogate: Toluene-d8 01/30/25 01/31/25 102 % 70-130 mg/kg Analyst: HM Batch: 2505111 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 01/31/25 ND 25.0 1 01/30/25 Diesel Range Organics (C10-C28) ND 50.0 1 01/30/25 01/31/25 Oil Range Organics (C28-C36) 113 % 61-141 01/30/2501/31/25 Surrogate: n-Nonane mg/kg mg/kg Analyst: JM Batch: 2505116 Anions by EPA 300.0/9056A

20.0

430

1

01/30/25

01/31/25

Chloride

Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS13-0' E501223-13

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Benzene	ND	0.0250	1	l	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	l	01/30/25	01/31/25	
Toluene	ND	0.0250	1	l	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	l	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	l	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.9 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		102 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.9 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		102 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2505111
Diesel Range Organics (C10-C28)	97.7	25.0	1	1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	130	50.0	1	[	01/30/25	01/31/25	
Surrogate: n-Nonane		110 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2505116
· · · · · · · · · · · · · · · · · · ·	1090	20.0	1		01/30/25	01/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS14-0'

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Benzene	ND	0.0250		1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250		1	01/30/25	01/31/25	
Toluene	ND	0.0250		1	01/30/25	01/31/25	
o-Xylene	ND	0.0250		1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500		1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.5 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.5 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	HM		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0		1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/30/25	01/31/25	
Surrogate: n-Nonane		112 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2505116
		20.0		1	01/30/25	01/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

#### SS15-0'

	_	Reporting	_				
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Benzene	ND	0.0250		1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250		1	01/30/25	01/31/25	
Toluene	ND	0.0250		1	01/30/25	01/31/25	
o-Xylene	ND	0.0250		1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500		1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.7 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2505102
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/30/25	01/31/25	
Surrogate: Bromofluorobenzene		96.7 %	70-130		01/30/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/30/25	01/31/25	
Surrogate: Toluene-d8		103 %	70-130		01/30/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	НМ		Batch: 2505111
Diesel Range Organics (C10-C28)	ND	25.0		1	01/30/25	01/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/30/25	01/31/25	
Surrogate: n-Nonane		110 %	61-141		01/30/25	01/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2505116
Chloride	317	20.0		1	01/30/25	01/31/25	



### **QC Summary Data**

Matador Resources, LLC.
Project Name: Big Bucks Fed Com 501
Reported:
5400 LBJ Freeway, Suite 1500
Project Number: 23003-0002
Dallas TX, 75240
Project Manager: Ashley Giovengo
2/10/2025 12:40:28PM

Volatile Organic Compounds by EPA 8260B
Analyst: BA

	V	olatile Organ	ic Compo	unds by El	PA 82601	В			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 (2505102-BLK1)							Prepared: 0	1/30/25 Ana	lyzed: 02/05/25
Benzene	ND	0.0250					1		-
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	0.483	0.0250	0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
ů .			0.500			70-130			
Surrogate: Toluene-d8	0.508		0.300		102	/0-130			
LCS (2505102-BS1)							Prepared: 0	1/30/25 Ana	lyzed: 02/05/25
Benzene	2.26	0.0250	2.50		90.2	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.4	70-130			
Toluene	2.29	0.0250	2.50		91.7	70-130			
o-Xylene	2.32	0.0250	2.50		92.8	70-130			
p,m-Xylene	4.62	0.0500	5.00		92.5	70-130			
Total Xylenes	6.94	0.0250	7.50		92.6	70-130			
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			
Matrix Spike (2505102-MS1)				Source:	E501223-	02	Prepared: 0	1/30/25 Ana	lyzed: 02/05/25
Benzene	2.36	0.0250	2.50	ND	94.3	48-131			
Ethylbenzene	2.42	0.0250	2.50	ND	96.6	45-135			
Toluene	2.42	0.0250	2.50	ND	96.8	48-130			
o-Xylene	2.51	0.0250	2.50	ND	101	43-135			
p,m-Xylene	4.95	0.0500	5.00	ND	99.0	43-135			
Total Xylenes	7.47	0.0250	7.50	ND	99.5	43-135			
Surrogate: Bromofluorobenzene	0.479	*******	0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			
Matrix Spike Dup (2505102-MSD1)				Source:	E501223-	02	Prepared: 0	1/30/25 Ana	lyzed: 02/05/25
Benzene	2.36	0.0250	2.50	ND	94.5	48-131	0.191	23	
Ethylbenzene	2.37	0.0250	2.50	ND	94.9	45-135	1.84	27	
Toluene	2.33	0.0250	2.50	ND	93.4	48-130	3.56	24	
o-Xylene	2.47	0.0250	2.50	ND	98.7	43-135	1.85	27	
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135	2.04	27	
Total Xylenes	7.32	0.0250	7.50	ND	97.6	43-135	1.97	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.541		0.500		108	70-130			
mirogaic. 1,2-Dichioroeinane-u4	0.341		0.500		100	, 0-150			

0.500

0.494

98.7

70-130

Surrogate: Toluene-d8

### **QC Summary Data**

Big Bucks Fed Com 501 Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 2/10/2025 12:40:28PM Dallas TX, 75240 Project Manager: Ashley Giovengo

Nonhalogenated	<b>Organics</b>	by EPA	8015D -	GRO

Ana	lvst	·R

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

	Result	LIIIII	Level	Resuit	Rec	LIIIIIIS	KPD	LIIIII	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2505102-BLK1)							Prepared: 01	1/30/25 Ana	lyzed: 02/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
LCS (2505102-BS2)							Prepared: 01	1/30/25 Ana	lyzed: 02/05/25
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	·	107	70-130			·
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.535		0.500		107	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
Matrix Spike (2505102-MS2)				Source:	E501223-0	)2	Prepared: 01	1/30/25 Ana	lyzed: 02/05/25
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene									
surrogate. Bromojiuorovenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484 0.514		0.500 0.500		96.8 103	70-130 70-130			
•									
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500	Source:	103	70-130 70-130	Prepared: 01	1/30/25 Ana	lyzed: 02/05/25
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.514	20.0	0.500	Source:	103 103	70-130 70-130	Prepared: 01	1/30/25 Ana 20	lyzed: 02/05/25
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2505102-MSD2)	0.514 0.516	20.0	0.500 0.500		103 103 <b>E501223-</b> (	70-130 70-130			lyzed: 02/05/25
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Matrix Spike Dup (2505102-MSD2)  Gasoline Range Organics (C6-C10)	0.514 0.516 54.9	20.0	0.500 0.500 50.0		103 103 <b>E501223-0</b> 110	70-130 70-130 <b>12</b> 70-130			lyzed: 02/05/25



### **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/10/2025 12:40:28PM

	Nonha	logenated Or		Analyst: HM						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2505111-BLK1)							Prepared: 0	1/30/25 Ana	lyzed: 01/31/25	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	51.6		50.0		103	61-141				
LCS (2505111-BS1)							Prepared: 0	1/30/25 Ana	lyzed: 01/31/25	
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144				
Surrogate: n-Nonane	52.6		50.0		105	61-141				
Matrix Spike (2505111-MS1)				Source:	E501223-	Prepared: 0	1/30/25 Ana	lyzed: 01/31/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156				
Surrogate: n-Nonane	55.3		50.0		111	61-141				
Matrix Spike Dup (2505111-MSD1)				Source:	E501223-	12	Prepared: 0	1/30/25 Ana	lyzed: 01/31/25	
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	0.265	20		
Surrogate: n-Nonane	55.1		50.0		110	61-141				

Matrix Spike Dup (2505116-MSD1)

Chloride

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/10/2025 12:40:28PM

Dallas 1X, 75240		Project Manager	r: As	shley Gioveng	go			2/	10/2025 12:40:28PM
		Anions	by EPA 3	00.0/9056A	4				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 (2505116-BLK1)							Prepared: 0	1/30/25 Ana	alyzed: 01/31/25
Chloride	ND	20.0							
LCS (2505116-BS1)							Prepared: 0	1/30/25 Ana	alyzed: 01/31/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2505116-MS1)				Source:	E501223-	03	Prepared: 0	1/30/25 Ana	alyzed: 01/31/25
Chloride	936	20.0	250	690	98.5	80-120			

250

20.0

Source: E501223-03

120

80-120

5.61



Prepared: 01/30/25 Analyzed: 01/31/25

20

Chloride

Chloride

Chloride

Matrix Spike (2506111-MS1)

Matrix Spike Dup (2506111-MSD1)

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manage	: 2	Big Bucks Fed 23003-0002 Ashley Gioven				<b>Reported:</b> 2/10/2025 12:40:28PM	
		Anions		Analyst: JM					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2506111-BLK1)						]	Prepared: 0	2/07/25 A	nalyzed: 02/07/25
Chloride	ND	20.0							
LCS (2506111-BS1)						1	Prepared: 0	2/07/25 A	nalyzed: 02/07/25

250

250

250

20.0

20.0

20.0

252

261

278

90-110

80-120

80-120

6.44

Prepared: 02/07/25 Analyzed: 02/07/25

Prepared: 02/07/25 Analyzed: 02/07/25

20

101

104

111

Source: E502054-04

Source: E502054-04

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:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo02/10/25 12:40

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.



Released to Imaging: 7/14/2025 3:02:16 PM

	Clier	nt Inform	ation			Invoice Information	1			La	b Us	e On	ly				TAT			Stat	e				
lient: M	atador Prodi	uction Co	ompany	/-		Company: Ensolum LLC		La	ab WO#			Job 1	Numl	er		1D	2D 3	BD Sto	d NM	CO UT	TX				
roject:	Bug Bucks Fe	d Com 50	01			Address: 3122 National Parks H	lwy	E	b Wot	223	3	230	B.(	200	2			X	X		2E 2				
	anager: Ash					City, State, Zip: Carlsbad NM, 8	8220	_																	
	3122 Nation					hone: 575-988-0055			1		-	Ana	lysis	and	Met	nod			_	PA Progr	-				
	e, Zip: Carlsb		88220			mail: agiovengo@ensolum.c	om	_											SDWA	CWA	RCRA				
	75-988-0055 iovengo@er		om.		—   M	iscellaneous:			2	10									Complian	ce Y	or N				
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				Sam	ple Informat	tion	. 3		lo by	to by	802	8260	300	Z Z	J- 50	. 8 Metals									
Time Sampled	Date Sampled	Matrix	No. of Containe					Sample ID		Sample ID		Lab Numb	0	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8				Remarks	
228	1/27/25	5	(			SS01 - 0'		1						X											
233			1			SS02 - 0'		2						1											
234						SS03 - 0'		3																	
23C						SS04 - 0¹		4																	
1240						SS05 - 0' SS06 - 0'																			
1248																									
CH 1246						SS07 - 0¹		7																	
1245						SS08 - 0'		8																	
1244				4,12		SS09 - 0'		9																	
242		(				SS10 - 0'		10																	
osimmo (field sam	ns@ensolum	.com validity and				, agiovengo@ensolum.com, ch																			
SOUTH STATE OF	ed by: (Signatur			ate 1/25/25	Time 9:45	Received by: (Signature)	les la	29.2	S Time	94	5			per la la					must be received by temp above 0						
Relinguish	ed by Signatur	e) ongal	D	1-29.25	Time 1545	Time Received by: (Signature) Date 1-29-				545				Rece	eived	on i	ce: /	Lab I	Use Only N						
Relinquish	ed by: (Signature	e)	D	ate -29-25	7100	Received by Signatural	Date	30.2	Time	15				<u>T1</u>				<u> </u>		<u>T3</u>					
Relinquish	ed by: (Signatur	e)	D	ate	Time	Received by: (Signature)	Date		Time					ΔVG	Tem	n °C	4								
														AVG	Tem	n°C	4								



enviroteclism expense. The report for the analysis of the above samples is

Released to Imaging: 7/14/2025 3:02:16 PM

	Clie	nt Inform	ation	1		Invoice Information				La	b Us	e On	ly				TAT	(1)	Stat	e
lient: N	latador Prod	uction Co	mpa	ny	C	ompany: Ensolum LLC		La	b WO	ŧ,		Job N	Numb	er		1D	2D 3D Sto	NM	CO UT	TX
	Bug Bucks Fe					ddress: 3122 National Parks Hwy		E	50	122	3	23	203	·000	S		X	X		
	lanager: Ash					ity, State, Zip: Carlsbad NM, 8822	20											-		
	3122 Nation					hone: 575-988-0055	-					Ana	lysis	and	Meth	nod		-	PA Progr	_
	e, Zip: Carlsh		88220	0		Email: agiovengo@ensolum.com									SDWA	CWA	RCRA			
	75-988-0055 giovengo@er		om	Miscellaneous:					L .	100								Complian	ice Y	or N
maii: a	giovengo@ei	isolum.c	OIII				100		801	8015			0		Ų.	s		PWSID #		4. 1.
				Sam	ple Informat	ion			DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
Time	Section 100	Vastour	No.		production of the second	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Field	Lab	NO/OR	J/DR	X by	by 8	oride	200	2 100	1 8 A			Remarks	5
Sampled	Date Sampled	Matrix	Conta			Sample ID			er 8	GRC	BTE	707	Sign	BGC	TCE	RCR				
	. 15 - 1	SS11 - 0'				SS11 - 0'							P. (1)	X						
254	1/27/25	S	1					11		-				$\Delta$				-		
12		1	1			SS12 - 0'		12												
1255						SS13 - 0'			-	1				+						
1257						3313 - 0		13												
						SS14 - 0'		101	9									4		
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								1		1	1									
Addition	al Instructio	ns. Plea	Se CC	C churton@e	nsolum com	agiovengo@ensolum.com, cham	ilton	@enso	lum.co	m. ie	strell	la@e	nsolu	ım.co	om, l	odea	@ensolum.	com,		
	ns@ensolum		30 00	c. courtone c	ilsolulli.com,	agiovengoe ensorannoun, anan		C									-	14.000		
, (field sam	oler), attest to the	e validity an	dauthe	nticity of this samp	le. I am aware th	at tampering with or intentionally mislabeling	the sar	mple locat	ion, date	or time	e of col	lection	is cons	iderec	d fraud	and m	ay be grounds fo	r legal action.		
Sampled by									Text									- us be seeding	l an ion the day	, thou are
Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signature)	Date	19.1	< Time	94	5						rmal preservation n packed in ice at an a			
2 11 11	11 (6:			1/29/25	9:45 Time	Received by: (Signature)	Date		Time		_	-		cubsea	went d	21/5	Lah I	Jse Only		
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7	2/1	1		1-29-25	2100	Cuth Ma	1.	30.2	5	115				T1			<u>T2</u>		<u>T3</u>	
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				P. P. L. L. L. L.			4 /.							AVG	Ten	p°C	7			
Sample Ma	rix: S - Soil, Sd - S	iolid, Sg - Slu	dge, A	- Aqueous, O - Othe	er	arrangements are made. Hazardous sam											ss, v - VOA			



enviroteclism expense. The report for the analysis of the above samples is

envirotech Inc.

Printed: 1/30/2025 8:07:51AM

#### **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:	01/30/25	07:15	Work Order ID:	E501223
Phone:	(972) 371-5200	Date Logged In:	01/29/25	14:30	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/05/25	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			
3. Were s	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>	ts/Resolution
Sample T	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 th	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 as minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
Sample (	Container .	•	_			
	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 Lal		nois conceica.	105			
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?	omation.	Yes			
	pate/Time Collected?		Yes			
	ollectors name?		Yes			
Sample I	<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 r	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	ise?	No			
	, does the COC specify which phase(s) is to be anal		NA			
•		~	1411			
	act Laboratory  amples required to get sent to a subcontract laborate	9	No			
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
Client I	<u>istruction</u>					

Date

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

Page _/_ of	2	
State UT TX		
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Client: Matador Production Company	Proper	ct: Bio	3 Ruc	- Wh	fed	Com 50	Chain o	f Cus	tody													Page _/ of _
Client Matador Production Company Project Manager Ashley (Glowerpo Address: 312 National Parks Hwy City, State, Zip: Cartsbad NM, 88220 Phone: 575-988-0055 Email: agloverpo@ensolum.com Miscellaneous:  Sample Information  Sample ID	9	Clie						9899				La	b Us	e On	lv				TA	\T		State
Project. Service Control Services (Control Services)  Address: 3122 National Parks Hwy  City, State, 2152 Cartshad MM, 8220  Phone: 575-988.0055  Emil: agioverag@ensolum.com  Sample Information  Sample In Dute Sample Information  Sample ID  Sample In Dute Sample Information  Sample ID  Sample In Dute Sample Information  Sample ID  Sample I					У		Company: Ensolum LLC		1	ab \	WO#					ber		10	2D	3D	Std	
Address: 3122 National Parks Hwv  Craftsday MNN, 88220  Phone: 575-988-0055  Finall: aglovengo@ensolum.com  Sample Information  Sample Information								wy		E	501	22:	3	230	103	OCC	5					X
City, State, Zin: Carlabad MM, 8220    Email: aglovenso@ensolum.com   Sample Information   City Information   Sample Information   Samp								220						E						1		
Phone: \$75-988.0055    Complaince   V   Or   N   PROSIDE							Phone: 575-988-0055							Ana	lysis	and	Met	hod				EPA Program
Email: agiovengo@ensolum.com  Sample Information  Sample ID  Lab Number  Remarks	The second secon	The state of the s		88220			Email: agiovengo@ensolum.co	m		10-4				10/16								SDWA CWA RCRA
Sample Information  Time Sample Information  Sample Information  Sample ID  S			THE RESERVE AND ADDRESS.				Miscellaneous:															
Sample Information  Sample ID  Sa	Email: a	giovengo@e	nsolum.c	om				-			015	015				100		100				STATE OF THE PERSON NAMED IN COLUMN 1
12 5 5   SS01 - 0'   Z   W   W   Client requires					Sai	mala Informa	tion	-			by 8	by 8	170	09	0.00	Z	¥	etals				PWSID#
12 5 5   SS01 - 0'   Z   W   W   Client requires	Time			1		iipie iiiotiiia	ation	Ь	1 12		ORO	DRO	by 8	y 82	ide 3	2-0	1005	B M				Domarks
12.5   SSO2 - 0'   SSO3 - 0'   SSO3 - 0'   SO3 - 0'		Date Sampled	Matrix					Flei	Numi	0.00	DRO/	GRO/	втех	VOCI	Chlor	BGDG	TCEQ	RCRA	3			Remarks
12.50 SS03-0' SS04-0' W SS05-0' SS05-0	1228	1/27/25	5	(		(THER)			1							X						Client requeste
12.9.6 SS04-0' 44 Sample Sa-7  12.9.6 SS05-0' 55 A COVER SS05-0' 57 SS05-0' 58 SS05-0' 58 SS05-0' 58 SS05-0' 58 SS05-0' 58 SS05-0' 58 SS05-0' 59 SS05-0' 5	1233					4 //250	SS02 - 0'		2							1						to re-extract
SSO5 - 0'  12 49  SSO5 - 0'  SSO6 - 0'  SSO8 - 0'  SSO8 - 0'  SSO8 - 0'  SSO9 - 0'  Part	1234						SS03 - 0'		3						X							and renun
SSO6 - 0'   SSO6	1230					T. Lac	SS04 - 0'		4													Samples 3.47
SSO6 - 0'  SSO8 - 0'  SSO8 - 0'  SSO8 - 0'  SSO8 - 0'  SSO9 - 0'  SSO9 - 0'  SSO9 - 0'  Additional instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, beal@ensolum.com, beal@ensolum.c	1240						SS05 - 0'		5													for CL.
SSOR - 0'  1244  SSOB - 0'  SSOB - 0'  SSOB - 0'  SSOB - 0'  Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, beamons@ensolum.com, beamons@ensolum.com, beamons@ensolum.com, data or time of collection is considered fraud and may be grounds for legal action.  Sampled by: Cole Burton.  Relinquished by: (Signature)  Date  1/2 4/2 5  Time	1248						SS06 - 0'		6													
SS09 - 0'  Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com  I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.  Sampled by: Cole Burton.  Relinquished by: Cole Burton.  Relinquished by: Date   Date   Date   Date   Date	CH 1246					LA MESS	SS07 - 0 <sup>t</sup>		7						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, b	1245						5508 - 0 <sup>1</sup>		8													Porrected ones
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com  I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.  Sampled by: Cole Burton  Relinquished by: (Signature)  Date  IIII  Date  IIIII  Date  IIIIII  Date  IIIIII  Date  IIIIIII  Date  IIIIIII  Date  IIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIII  Date  IIIIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIIII  Date  IIIIIII  Date  IIIIIII  Date  IIIIIII  Date  IIIIIII  Date  IIIIIIII  Date  IIIIIII  Date  IIIIII  Date  IIIII  Date  IIIII  Date  IIIIII  Date  IIIII	1244						SS09 - 0'		9													mme prom
bsimmons@ensolum.com  I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.  Sampled by:	1242		(				SS10 - 0'	BB	10													alinlas CM
In the sample of				se CC:	cburton@	ensolum.com	, agiovengo@ensolum.com, cha	milton	@enso	lum	.con	ı, ies	trell	a@ei	nsolu	ım.c	om,	bdeal	@en	solur	m.co	om,
Relinquished by: Cole Burton  Relinquished by: (Signature)  Date  1/2 4/2 5  Fire  Received by: (Signature)  Date  1/2 4/2 5  Time  Received by: (Signature)  Date  Time  AVG Temp °C  AVG Temp °C  AVG Temp occurrence and by: (Signature)  Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is	I, (field sam	pler), attest to the	e validity and	authent	icity of this sam	ple. I am aware t	hat tampering with or intentionally mislabeling	ng the sar	nple locat	tion i	date n	r time	of coll	ection	is con	sidere	d fraue	and m	av be	round	s for l	egal action.
1/2 5/2 5   5/4 5   Vicibelle Gonzoles   1-29-25   5   5   5   5   5   5   5   5   5															1							
Relinquished by: (Signature)  Date Time Received by: (Signature)  Date Time AVG Temp °C  AVG Temp °C  Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other  Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is	Relinquish	ed By: (Signatur	0)			TO THE REAL PROPERTY.	Received by: (Signature)	Date	00		Time	_		191		Sample	es requi	iring the	rmal pr	eservatio	on mus	st be received on ice the day they are
Relinquished by: (Signature)  Date Time Received by: (Signature)  Date Time AVG Temp °C  AVG Temp °C  Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other  Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is	6.5	2	Jen - 1			9:45	Vichelle Gonzale	8 1-	29-2	5	0	94	2		(37)	sample	d or re	ceived p	acked in	n ice at a	an avg t	temp above 0 but less than 6 °C on
Relinquished by: (Signature)  Date  Time  Received by Signature)  Date  Time  Received by: (Signature)  Date  Time  AVG Temp °C  AVG Temp °C  Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is	Religanish	helle G	e) ongale	es o	1-29.25		Received by: (Signature)	Date /	39-25	7	Time 15	45	-			Rece	ived	on in	-01	-		e Only
Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Time  AVG Temp °C  AVG Temp °C  Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is	Relinquish	ed by: (Signatur	e)		ate		Time Reversed by Asignatura Dat									T1	.,,					T3
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is	Relinquish	ed by: (Signatur	e)	D		Time	Date	N 6.		Time					AVC	Tor	n °C	_ ,	4		15	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is								Con	tainer T	ype:	g - g	lass.	p - pc	ly/pla	astic.	ag - a	ambe	rglas	S. V -	VOAT		
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Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

### **Analytical Report**

Matador Resources, LLC.

Project Name: Big Bucks Fed Com 501H

Work Order: E502141

Job Number: 23003-0002

Received: 2/17/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 2/25/25

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

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

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

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

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

Date Reported: 2/25/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E502141

Date Received: 2/17/2025 8:00:33AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/17/2025 8:00:33AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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:	Big Bucks Fed Com 501H	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/25/25 08:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01-1'	E502141-01A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH01-2'	E502141-02A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH02-1'	E502141-03A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH03-1'	E502141-04A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH06-1'	E502141-05A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH07-1'	E502141-06A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH08-1'	E502141-07A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH08-3'	E502141-08A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH13-1	E502141-09A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH14-1'	E502141-10A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.

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Project Name: Big Bucks Fed Com 501H

Workorder:E502141

Date Received: 02/17/25 08:00

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

Sample Name

Laboratory ID

**Analysis** 

PH03-1'

E502141-04

**DRO/ORO 8015** 

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

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

Respectfully,

Walter Hinchman

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/25/2025 8:44:01AM

# PH01-1'

		E502141-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		128 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		114 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2508046
Chloride	ND	20.0	1	02/18/25	02/18/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/25/2025 8:44:01AM

## PH01-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		129 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		116 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		119 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2508046
	ND	20.0		02/18/25	02/18/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/25/2025 8:44:01AM

## PH02-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		129 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		115 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		121 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2508046
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Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/25/2025 8:44:01AM

## PH03-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/20/25	
Toluene	ND	0.0250	1	02/17/25	02/20/25	
o-Xylene	ND	0.0250	1	02/17/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		74.9 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2508121
Diesel Range Organics (C10-C28)	53.0	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	61.8	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		116 %	61-141	02/21/25	02/22/25	
	mg/kg	mg/kg	Analy	yst: JM		Batch: 2508046
Anions by EPA 300.0/9056A	mg/kg	mg/kg				



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/25/20258:44:01AM

## PH06-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/20/25	
Toluene	ND	0.0250	1	02/17/25	02/20/25	
o-Xylene	ND	0.0250	1	02/17/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		73.8 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		117 %	61-141	02/17/25	02/18/25	
		mg/kg	Analy	yst: JM		Batch: 2508046
Anions by EPA 300.0/9056A	mg/kg	mg/kg		,		Battern 20000 10



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/25/2025 8:44:01AM

## PH07-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/20/25	
Toluene	ND	0.0250	1	02/17/25	02/20/25	
o-Xylene	ND	0.0250	1	02/17/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		81.7 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		119 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2508046
Chloride	178	20.0	1	02/18/25	02/18/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/25/20258:44:01AM

## PH08-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/20/25	
Toluene	ND	0.0250	1	02/17/25	02/20/25	
o-Xylene	ND	0.0250	1	02/17/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		81.7 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		117 %	61-141	02/17/25	02/19/25	
Aniona by EDA 200 0/0056 A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2508046
Anions by EPA 300.0/9056A						



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/25/20258:44:01AM

## PH08-3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/20/25	
Toluene	ND	0.0250	1	02/17/25	02/20/25	
o-Xylene	ND	0.0250	1	02/17/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		81.3 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	02/17/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		123 %	61-141	02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2508046
Chloride	242	20.0	1	02/18/25	02/18/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/25/20258:44:01AM

## PH13-1 E502141-09

		2002111 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/21/25	
Toluene	ND	0.0250	1	02/17/25	02/21/25	
o-Xylene	ND	0.0250	1	02/17/25	02/21/25	
o,m-Xylene	ND	0.0500	1	02/17/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/21/25	
Surrogate: 4-Bromochlorobenzene-PID		81.5 %	70-130	02/17/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	02/17/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		118 %	61-141	02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2508046
Chloride	71.2	20.0	1	02/18/25	02/18/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/25/2025 8:44:01AM

## PH14-1' E502141-10

		1302141 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2508018
Benzene	ND	0.0250	1	02/17/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/21/25	
Toluene	ND	0.0250	1	02/17/25	02/21/25	
o-Xylene	ND	0.0250	1	02/17/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/21/25	
Surrogate: 4-Bromochlorobenzene-PID		80.9 %	70-130	02/17/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2508018
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	02/17/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AF		Batch: 2508028
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/19/25	
Surrogate: n-Nonane		118 %	61-141	02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2508046
Chloride	334	20.0	1	02/18/25	02/18/25	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/25/2025 8:44:01AM

Dallas TX, 75240		Project Number: Project Manager:		shley Giovengo				2/2	25/2025 8:44:01AM
		Volatile O	rganics l	by EPA 8021		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 (2508018-BLK1)							Prepared:	02/17/25 At	nalyzed: 02/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.66		8.00		121	70-130			
LCS (2508018-BS1)							Prepared:	02/17/25 A1	nalyzed: 02/19/25
Benzene	3.95	0.0250	5.00		79.0	70-130			
Ethylbenzene	3.81	0.0250	5.00		76.1	70-130			
Toluene	3.89	0.0250	5.00		77.7	70-130			
o-Xylene	3.82	0.0250	5.00		76.4	70-130			
o,m-Xylene	7.74	0.0500	10.0		77.4	70-130			
Total Xylenes	11.6	0.0250	15.0		77.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	10.1		8.00		126	70-130			
LCS Dup (2508018-BSD1)							Prepared:	02/17/25 Aı	nalyzed: 02/19/25
Benzene	4.09	0.0250	5.00		81.8	70-130	3.49	20	
Ethylbenzene	3.94	0.0250	5.00		78.8	70-130	3.40	20	
Toluene	4.02	0.0250	5.00		80.5	70-130	3.50	20	
o-Xylene	3.94	0.0250	5.00		78.8	70-130	3.15	20	
o,m-Xylene	8.01	0.0500	10.0		80.1	70-130	3.37	20	
Total Xylenes	12.0	0.0250	15.0		79.7	70-130	3.30	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

9.00

# **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/25/20258:44:01AM

Dallas TX, 75240		Project Manager	r: As	hley Gioveng	go			2/2	5/2025 8:44:01AM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2508018-BLK1)							Prepared:	02/17/25 An	alyzed: 02/19/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.75		8.00		109	70-130					
LCS (2508018-BS2)							Prepared:	02/17/25 An	alyzed: 02/19/25		
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.1	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.93		8.00		112	70-130					
LCS Dup (2508018-BSD2)							Prepared:	02/17/25 An	alyzed: 02/19/25		
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130	0.0996	20			

70-130

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	_
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/25/2025 8:44:01AM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	go			2/23	/2025 8:44:01AN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			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 (2508028-BLK1)							Prepared:	02/17/25 Ana	lyzed: 02/18/25
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	59.9		50.0		120	61-141			
CS (2508028-BS1)							Prepared:	02/17/25 Ana	lyzed: 02/18/25
riesel Range Organics (C10-C28)	325	25.0	250		130	66-144			
urrogate: n-Nonane	63.8		50.0		128	61-141			
Matrix Spike (2508028-MS1)				Sourc	e: E50214	1-05	Prepared:	02/17/25 Ana	lyzed: 02/18/25
tiesel Range Organics (C10-C28)	321	25.0	250	ND	129	56-156			
urrogate: n-Nonane	63.4		50.0		127	61-141			
Matrix Spike Dup (2508028-MSD1)				Sourc	e: E50214	1-05	Prepared:	02/17/25 Ana	lyzed: 02/18/25
tiesel Range Organics (C10-C28)	321	25.0	250	ND	128	56-156	0.111	20	
urrogate: n-Nonane	63.0		50.0		126	61-141			

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	·
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/25/2025 8:44:01AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			2/2	25/2025 8:44:01AM
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			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 (2508121-BLK1)							Prepared:	02/21/25 Ar	nalyzed: 02/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	61-141			
LCS (2508121-BS1)							Prepared:	02/21/25 Ar	nalyzed: 02/21/25
Diesel Range Organics (C10-C28)	292	25.0	250		117	66-144			
Surrogate: n-Nonane	52.8		50.0		106	61-141			
Matrix Spike (2508121-MS1)				Sourc	e: E50219	06-04	Prepared:	02/21/25 Ar	nalyzed: 02/21/25
Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	56-156			
Surrogate: n-Nonane	69.0		50.0		138	61-141			
Matrix Spike Dup (2508121-MSD1)				Sourc	e: E50219	06-04	Prepared:	02/21/25 Ar	nalyzed: 02/21/25
Diesel Range Organics (C10-C28)	311	25.0	250	ND	125	56-156	0.427	20	
Surrogate: n-Nonane	57.2		50.0		114	61-141			



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Big Bucks Fed 0 3003-0002	Com 501F	I			Reported:	
Dallas TX, 75240		Project Manager: Ashley Giovengo						2/25/2025 8:44:01AM		
		Anions	by EPA	300.0/9056 <i>A</i>	1				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 (2508046-BLK1)							Prepared:	02/18/25	Analyzed: 02/18/25	
Chloride	ND	20.0								
LCS (2508046-BS1)							Prepared:	02/18/25	Analyzed: 02/18/25	
Chloride	253	20.0	250		101	90-110				
Matrix Spike (2508046-MS1)				Sourc	e: E50214	1-01	Prepared:	02/18/25	Analyzed: 02/18/25	
Chloride	270	20.0	250	ND	108	80-120				
Matrix Spike Dup (2508046-MSD1)				Source	e: E50214	1-01	Prepared:	02/18/25	Analyzed: 02/18/25	
Chloride	268	20.0	250	ND	107	80-120	0.679	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:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo02/25/25 08:44

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: 7/14/2025 3:02:16 PM

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Page _	L of L

	Clie	nt Inform	nation			Invoice Informatio	n			La	ıb Us	e On	ly				TAT		Sta	te
Client: N	latador				Co	mpany: Ensolum LLC		Lal	b WO	<b>#</b> .		Job I	Numb	oer		1D	2D 3E	Std	NM CO U	ГТХ
Project:	Big Bucks Fe	d Com 50	01H			ddress: 3122 National Parks	Hwy	E	500	214	1	231	SO	OF	YY			х	x	
Project N	lanager: As	hley Giov	engo		Ci	ty, State, Zip: Carlsbad NM,	88220													
Address:	3122 Nation	nal Parks	Hwy		Ph	one: 575-988-0055						Ana	lysis	and	Meti	hod			EPA Prog	ram
City, Stat	e, Zip: Carls	bad NM,	88220		E	mail: agiovengo@ensolum.	com												SDWA CWA	RCRA
Phone: 5	75-988-005	5			Mi	scellaneous:				10.0										
Email: a	giovengo@e	nsolum.c	om						12	15									Compliance Y	or N
									v 80	y 8015		0	0.0	_	×	a s			PWSID#	
,				Sam	ple Informat	on			30 b	30 6	802	826	e 300	ž	1-50	Met				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remark	SS
9:59	2/13/2025	S	1			PH01 - 1'		1	y I					х						
10:04	2/13/2025	S	1			PH01 - 2'		2						х						
10:44	2/13/2025	S	1			PH02 - 1'		3						х						
11:14	2/13/2025	S	1			PH03 - 1'		4						х						
11:43	2/13/2025	S	1			PH06 - 1'		5						х						
13:08	2/13/2025	S	1			PH07 - 1'		6						х						
13:32	2/13/2025	S	1			PH08 - 1'		7						х						
13:58	2/13/2025	S	1			PH08 - 3'		8						x						
14:12	2/13/2025	S	1			PH13 - 1'		9						х						
14:44	2/13/2025	S	1			PH14 - 1'		60						x						
Addition	al Instructio	ns: Ple	ase CC: cbi	urton@e	nsolum.com	, agiovengo@ensolum.com,	iestrella	@ensolu	ım.co	m, ch	amil	ton@	enso	olum	.con	n, bsir	nmons	s@ens	solum.com,	
	o@ensolum																			
I, (field sam	oler), attest to the	e validity and	d authenticity of	of this samp	le. I am aware th	at tampering with or intentionally misla	beling the sa	imple locati	on, date	or tim	e of co	llectio	n is con	sidere	d frau	d and n	ay be gr	ounds fo	r legal action.	
Sampled by:	_Oluwale Ader	into																		
-	ed by: (Signatur	re)	nto 2/1	4/25	08:14	Received by Mignature)	les Date	14-25	Time	18	4		П						ust be received on ice the yg temp above 0 but less th	D C C D C C
Relinquish	ed by: (Signatu		Date	4.25	J200	Received by: signature	Pate Z.	7.25	Time	a	)			Rece	eived	on ic	e: (	Hab U	se Only N	
Relinquish	ed by: (Signatur	re)	Date		Time	Received by: (Signature)	Date		Time					T1			TZ	)	<u>T3</u>	
Relinquish	ed by: (Signatur	re)	Date		Time	Received by: (Signature)	Date		Time					AVG	Ten	o°C	4		4 100	
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - S	olid, Sg - Slu	dge, A - Aqueo	us, O - Othe	er		Con	tainer Ty	pe: g	glass	, p - I	ooly/p					ss, v - \	/OA		
						r arrangements are made. Hazardo									clier	t expe	nse. The	report	for the analysis of th	e above
						this COC. The liability of the labor														



envirotech envirotech

envirotech Inc.

Printed: 2/17/2025 10:21:53AM

## **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:	02/17/25	08:00		Work Order ID:	E502141
Phone:	(972) 371-5200	Date Logged In:	02/14/25	15:00		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/21/25	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location ma	tch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	_			
5. Were	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 disucssi	•	Yes			Comment	s/Resolution
Sample	Turn Around Time (TAT)			Г			
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	Cooler						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	he 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				
	Container	· • • · · · · · <u>-</u>					
	aqueous 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	· · ·		100				
	e field sample labels filled out with the minimum info	ormation:					
	Sample ID?		Yes				
1	Date/Time Collected?		Yes	L			
(	Collectors name?		Yes				
	<b>Preservation</b>						
	the COC or field labels indicate the samples were pr	reserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lal	o 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				
27. If ye	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laborato	ry?	No				
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	: NA		
	<u>nstruction</u>						
<u>enene i</u>	<u>nom action</u>						

Date

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

No. of

Containers

1

1

1

1

1

1

1

1

Matrix

S

S

S

S

S

S

S

S

City, State, Zip: Carlsbad NM, 88220

Email: agiovengo@ensolum.com

Date Sampled

2/13/2025

2/13/2025

2/13/2025

2/13/2025

2/13/2025

2/13/2025

2/13/2025

2/13/2025

2/13/2025

2/13/2025

Phone: 575-988-0055

Time

Sampled

9:59

10:04

10:44

11:14

11:43

13:08

13:32

13:58

14:12

14:44

Received by OCD: 5/27/2025 1:00:10 PM

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		Page _	_L_(
	State		
NM x	CO UT	TX	-
SDWA	PA Progra	m RCRA	
SUVA	CVVA	KCKA	
Complian		or N	
PWSID#			-
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IVS	2-21	- 25	
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1-1-		-	
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um com			-
um.com	,		

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

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

Email: agiovengo@ensolum.com

Miscellaneous:

Sample ID

PH01 - 1'

PH01 - 2'

PH02 - 1'

PH03 - 1'

PH06 - 1'

PH07 - 1'

PH08 - 1'

PH08 - 3'

PH13 - 1'

PH14 - 1'

Sample Information

Sampled by:Oluwale Aderinto				and sumple recent	in, date of time of conecti	on is considered trade and may be grounds for legal action.
Relinquished by: (Signature) Oluwale Ademinto	Date 2/14/25	08:14	Moreived by Mignature) Prichelle Gonzales	2-14-25	D814	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
Relinquished by (Signature) Wichelle Gonzales		2200/	Active the Highatus Control	2:17.25	000 T	Received on ice: Y/ N
Relinquished by: (Signature)	Date		feceived by: (Signature)	Date	Time	<u>T1                                    </u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C 4
Sample Matrix: 5 - Soil, 5d - Solid, 5g - Sludge, A				Container Typ	e: g - glass, p - poly,	plastic, ag - amber glass, v - VOA

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



Lab Use Only

Job Number

23003000

**Analysis and Method** 

BGDOC - NM CEQ 1005 - TX

X

X

X

X

X

X

X

X

X

Lab WO# E 50Z

Lab Number

6

8

9

6

GRO/DRO by BTEX by 8021 TAT

1D 2D 3D Std

envirotech

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: Big Bucks Fed Com 501H

Work Order: E502142

Job Number: 23003-0002

Received: 2/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/21/25

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

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

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

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

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

Date Reported: 2/21/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E502142

Date Received: 2/17/2025 8:00:33AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/17/2025 8:00:33AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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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# Sample Summary

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 09:38

Client Sample ID	Lab Sample ID M	atrix	Sampled	Received	Container
PH01-3'	E502142-01A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH02-2'	E502142-02A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH03-2'	E502142-03A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH06-2'	E502142-04A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH07-2'	E502142-05A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH13-2'	E502142-06A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
PH14-2'	E502142-07A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:38:36AM

## PH03-2' E502142-03

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2508017
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0500	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
	113 %	70-130	02/17/25	02/18/25	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2508017
ND	20.0	1	02/17/25	02/18/25	
	99.4 %	70-130	02/17/25	02/18/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2508044
ND	25.0	1	02/18/25	02/19/25	
ND	50.0	1	02/18/25	02/19/25	
	114 %	61-141	02/18/25	02/19/25	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2508029
137	20.0	1	02/17/25	02/18/25	
	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           ND         0.0250           ND         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           114 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           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           MD         0.0250         1           MD         20.0250         1           MB/kg         mg/kg         Anal           ND         20.0         1           MB/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           MB/kg         MB/kg         Anal           ND         50.0         1           MB/kg         MB/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0500         1         02/17/25           ND         0.0250         1         02/17/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/17/25           mg/kg         mg/kg         Analyst: HM           ND         25.0         1         02/18/25           ND         50.0         1         02/18/25           ND         50.0         1         02/18/25           Mg/kg         Mg/kg         Analyst: HM	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0500         1         02/17/25         02/18/25           ND         0.0500         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: HM           ND         25.0         1         02/18/25         02/19/25           ND         50.0         1         02/18/25         02/19/25           ND         50.0         1         02/18/25         02/19/25           Mg/kg         mg/kg

Surrogate: 4-Bromochlorobenzene-PID

9.06

# **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:38:36AM

Dallas TX, 75240		Project Number: Project Manager:		shley Giovengo	)			:	2/21/2025 9:38:36AM
		Volatile O	rganics b	y EPA 8021	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 (2508017-BLK1)							Prepared: 0	2/17/25 Ar	nalyzed: 02/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.04		8.00		113	70-130			
LCS (2508017-BS1)							Prepared: 0	2/17/25 Ar	nalyzed: 02/18/25
Benzene	4.50	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.33	0.0250	5.00		86.7	70-130			
Toluene	4.44	0.0250	5.00		88.8	70-130			
o-Xylene	4.40	0.0250	5.00		88.0	70-130			
o,m-Xylene	8.84	0.0500	10.0		88.4	70-130			
Total Xylenes	13.2	0.0250	15.0		88.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.07		8.00		113	70-130			
LCS Dup (2508017-BSD1)							Prepared: 0	2/17/25 Ar	nalyzed: 02/18/25
Benzene	4.61	0.0250	5.00		92.2	70-130	2.46	20	
Ethylbenzene	4.44	0.0250	5.00		88.8	70-130	2.43	20	
Toluene	4.54	0.0250	5.00		90.8	70-130	2.30	20	
p-Xylene	4.47	0.0250	5.00		89.4	70-130	1.66	20	
o,m-Xylene	9.05	0.0500	10.0		90.5	70-130	2.31	20	
Total Xylenes	13.5	0.0250	15.0		90.1	70-130	2.10	20	

113

70-130



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:38:36AM

Nonhalogenated	Organics by	<b>EPA</b>	.8015D -	GRO

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

Dloub (2500017 DI V1)						Duamanadi O	2/17/25	Amalagad, 02/19/25
Blank (2508017-BLK1)						Prepared: 0.	2/1//23	Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00	94.9	70-130			
LCS (2508017-BS2)						Prepared: 02	2/17/25	Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	82.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00	96.8	70-130			
LCS Dup (2508017-BSD2)						Prepared: 02	2/17/25	Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	86.7	70-130	5.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00	97.2	70-130			



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:38:36AM

,		, ,		, .	>-				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508044-BLK1)							Prepared: 0	2/18/25 Ana	lyzed: 02/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.6		50.0		115	61-141			
LCS (2508044-BS1)							Prepared: 0	2/18/25 Ana	lyzed: 02/19/25
Diesel Range Organics (C10-C28)	287	25.0	250		115	66-144			
Surrogate: n-Nonane	56.2		50.0		112	61-141			
Matrix Spike (2508044-MS1)				Source:	E502158-	08	Prepared: 0	2/18/25 Ana	lyzed: 02/19/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	54.9		50.0		110	61-141			
Matrix Spike Dup (2508044-MSD1)				Source:	E502158-0	08	Prepared: 0	2/18/25 Ana	lyzed: 02/19/25
Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	56-156	4.86	20	
Surrogate: n-Nonane	58.4		50.0		117	61-141			

Matrix Spike (2508029-MS1)

Matrix Spike Dup (2508029-MSD1)

Chloride

Chloride

276

276

Prepared: 02/17/25 Analyzed: 02/17/25

Prepared: 02/17/25 Analyzed: 02/17/25

20

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Reported:					
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo									2/21/2025 9:38:36AM
		Anions	by EPA	300.0/9056	4				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2508029-BLK1)							Prepared: 0	2/17/25 Aı	nalyzed: 02/17/25
Chloride	ND	20.0							
LCS (2508029-BS1)							Prepared: 0	2/17/25 Aı	nalyzed: 02/17/25
Chloride	253	20.0	250		101	90-110			

250

250

20.0

20.0

Source: E502137-07

Source: E502137-07

110

110

80-120

80-120

0.0634

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:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo02/21/25 09:38

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.

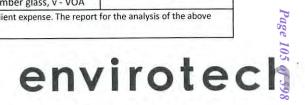
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page	of

	Clie	nt Inforn	nation			Invoice Informatio	n				La	b Us	e Or	ly								
Client: N	Matador				Co	mpany: Ensolum LLC		L	ab V	NO#			Job	Num	ber	_	1D	2D	3D S	td	NM CO UT	TX
	Big Bucks Fe	d Com 5	01H			dress: 3122 National Parks	Hwy		ES	07	14	2	23.	03.	ac	C			x		x	
Project N	Manager: As	hley Giov	engo		Cit	y, State, Zip: Carlsbad NM, 8	38220			-												
	3122 Natio				Pho	one: 575-988-0055			Γ				Ana	lysis	and	Met	hod				EPA Progra	m
	te, Zip: Carls	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		En	Email: agiovengo@ensolum.com					7										SDWA CWA	RCRA
	575-988-005					cellaneous:						8 1								Ī		
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Email: 0	gioverigoe-e		.0111							801	801			0	1		25			1	PWSID#	
-				Sam	ple Informati	Information				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			1		-
Time		24.55	No. of			Carrella ID	Field	b Lal	b	J/0F	J/DF	X by	yd C	oride	000	2 100	8				Remarks	
Sampled	Date Sampled	Matrix	Containers			Sample ID	FIE	Lal Num	ber	DRC	GRC	BTE	00	S.	BGE	TCE	RCR		J. 14 P.			
10:06	2/13/2025	S	1			PH01 - 3'		1							х						Do not run for BGDOC unless PH or 100 TPH	01 - 2' is >600 Cl
10:47	2/13/2025	S	1			PH02 - 2'		2							x						Do not run for BGDOC unless PH or 100 TPH	02 - 1' (s >600 CI
11:16	2/13/2025	S	1			PH03 - 2'		3							х						Do not run for BGDOC unless PH or 100 TPH	03 - 1 <sup>1</sup> is >600 Cl
11:46	2/13/2025	S	1		PH06 - 2'			4							×						Do not run for BGDOC unless PH06 - 1' is > or 100 TPH	
13:11	2/13/2025	S	1		PH07 - 2'			5	-						x						Do not run for BGDOC unless PH07 - 1' is >66 or 100 TPH	
14:15	2/13/2025	S	1		PH13 - 2'			10							х						Do not run for BGDOC unless PH13 - 1' is >60 or 100 TPH	
14:44	2/13/2025	S	1			PH14 - 2'		7	1						х						Do not run for BGDOC unless PF or 100 TPH	114 - 1' is >600 Cl
																					8	
			ase CC: c	burton@	ensolum.com	, agiovengo@ensolum.com	iestrell	la@ens	olun	1.00	m, ch	nami	Iton	@en	solui	m.co	m, b	simn	ions@	ens	solum.com,	
I, (field sam	to@ensolum	e validity and	d authenticit	y of this same	ple. I am aware th	at tampering with or intentionally misla	beling the	sample loc	cation	, date	or tim	e of co	ollectio	on is co	nsider	red fra	ud and	d may b	e ground	is for	legal action.	
	:_Oluwale Ader		- A THE PARTY OF T	The state of the s																		
100000000000000000000000000000000000000	ned by: (Signatu		Date		Time	Received by: (Signature)	n Da	te	5	Time					10000						ust be received on ice the da	
The second second		deri	1to 21	14/25	08:14	Vichelle Gonza	les ?	1-14-2	12	0	01	t				oled or i		d packed	in ice at a	an av	g temp above 0 but less than	6°C on
	ed by: (Signatu	_	Date		Time	Received by: (Signature)	Da	ite		Time					Since	ennen	navs		Lab	o Us	se Only	
Mic	helle Go	onzale	es 2	14-25	2500	Received by: (Signature)	ni	2.17.	3	8	X	)_			Red	ceive	d on	ice:	(V)	N		
Relinquish	ned by: (Signatu	ire)	Date		Time	Received by: (Signature)	Da	ite		Time					<u>T1</u>				<u>T2</u>		<u>T3</u>	
Relinquish	ned by: (Signatu	ire)	Date		Time	Received by: (Signature)		ate		Time					AV	G Te	mp°	c_ 4	1			
Sample Ma	trix: S - Soil, Sd - S	Solid, Sg - Slu	idge, A - Aqu	eous, O - Oth	ner		Co	ontainer	Тур	e: <b>g</b> -	glass	s, p -	poly/	plast	ic, ag	g - am	iber g	glass,	v - VOA	1		
Note: San	ples are discar	ded 14 day	s after resu	Its are repo	rted unless othe	r arrangements are made. Hazardon this COC. The liability of the labo	ous sample ratory is li	les will be imited to	retu the a	rned mou	to clie	ent or	dispo on the	sed o	f at th	he clie	ent ex	pense	. The rep	port	for the analysis of the	above





Printed: 2/17/2025 11:43:27AM

## **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:	02/17/25 08	3:00		Work Order ID:	E502142
Phone:	(972) 371-5200	Date Logged In:	02/14/25 15	5:03		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:		7:00 (4 day TAT)		Logged in 2).	
1. Does th 2. Does th	Custody (COC) e sample ID match the COC? e number of samples per sampling site location manufactoring the control of the contr	tch the COC	Yes Yes Yes	Carrier: C	Courier		
4. Was the	COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	curror. <u>c</u>	<del>Journel</del>		
5. Were al	I 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.  Around Time (TAT)	the field,	Yes	ı		Comment	s/Resolution
	COC indicate standard TAT, or Expedited TAT?		Yes		Client ren	narks regardin	g running samples
Sample C	· •				per TPH a	and CL results	of previous
	ample cooler received?		Yes		samples.		F
	vas cooler received in good condition?		Yes		sampics.		
•	sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	were custody/security seals intact?		No				
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 isible ice, record the temperature. Actual sample	e received w/i 15	NA Yes <u>C</u>				
Sample C	<u>ontainer</u>						
14. Are aq	ueous 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa Da	el Tield sample labels filled out with the minimum info mple ID? The collected? Time Collected? The collectors name?	ormation:	Yes Yes Yes				
Sample P	reservation_		100				
21. Does t	he COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
<u>M</u> ultipha	se Sample Matrix						
	he 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	zed?	NA				
Subcontra 28. Are sa	mples required to get sent to a subcontract laborato subcontract laboratory specified by the client and it	ry?	No	Subcontract Lab	o: NA		
Client In	struction						

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: Big Bucks Fed Com 501

Work Order: E502206

Job Number: 23003-0002

Received: 2/22/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/3/25

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

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

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

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

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

Date Reported: 3/3/25

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

Project Name: Big Bucks Fed Com 501

Workorder: E502206

Date Received: 2/22/2025 5:00:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2025 5:00:10AM, under the Project Name: Big Bucks Fed Com 501.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501 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:	Big Bucks Fed Com 501	Reported:
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported.
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/03/25 12:11

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS17-0'	E502206-01A Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SS16-0'	E502206-02A Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SS19-0'	E502206-03A Soil	02/20/25	02/22/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 12:11:36PM

### SS17-0'

### E502206-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	02/22/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	02/22/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2508135
	ND	25.0	1	02/22/25	02/23/25	
Diesel Range Organics (C10-C28)	TID	25.0				
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
			61-141	02/22/25 02/22/25	02/23/25 02/23/25	
Oil Range Organics (C28-C36)		50.0	1 61-141 Analys	02/22/25		Batch: 2509002



Anions by EPA 300.0/9056A

Chloride

### Sample Data

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 12:11:36PM

### SS16-0' E502206-02

### Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: BA Batch: 2508126 mg/kg mg/kg Volatile Organics by EPA 8021B 02/22/25 02/22/25 ND 0.0250 Benzene 1 02/22/25 02/22/25 Ethylbenzene ND 0.0250ND 0.025002/22/25 02/22/25 Toluene 1 02/22/25 02/22/25 o-Xylene ND 0.02501 02/22/25 02/22/25 ND 0.0500 p,m-Xylene 02/22/25 02/22/25 1 Total Xylenes ND 0.025095.9 % 02/22/25 02/22/25 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: BA Batch: 2508126 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 02/22/25 ND 20.0 1 02/22/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 86.5 % 02/22/25 02/22/25 70-130 mg/kg mg/kg Analyst: NV Batch: 2508135 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 02/22/25 02/23/25 Diesel Range Organics (C10-C28) ND 02/22/25 02/23/25 Oil Range Organics (C28-C36) 50.0 1 02/22/25 02/23/25 Surrogate: n-Nonane 104 % 61-141

mg/kg

20.0

mg/kg

206

Analyst: IY

02/23/25

02/23/25

1



Batch: 2509002

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 12:11:36PM

### SS19-0'

### E502206-03

		Donoutino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	02/22/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	02/22/25	02/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2508135
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
Surrogate: n-Nonane		107 %	61-141	02/22/25	02/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2509002
	234	20.0		02/23/25	02/23/25	



### **QC Summary Data**

Big Bucks Fed Com 501 Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 3/3/2025 12:11:36PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2508126-BLK1) Prepared: 02/22/25 Analyzed: 02/22/25 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 7.89 8.00 98.7 70-130 LCS (2508126-BS1) Prepared: 02/22/25 Analyzed: 02/22/25 5.27 105 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.15 0.0250 5.00 103 70-130 5.24 0.0250 5.00 105 70-130 Toluene 5.21 o-Xylene 0.0250 5.00 104 70-130 10.5 10.0 105 70-130 0.0500 p.m-Xvlene 105 70-130 15.7 15.0 Total Xylenes 0.0250 8.00 100 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.02 Matrix Spike (2508126-MS1) Source: E502205-05 Prepared: 02/22/25 Analyzed: 02/22/25 5.28 0.0250 5.00 ND 54-133 Benzene ND 103 61-133 Ethylbenzene 5.15 0.0250 5.00 Toluene 5.24 0.0250 5.00 ND 105 61-130 5.22 ND 104 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.12 8.00 Matrix Spike Dup (2508126-MSD1) Source: E502205-05 Prepared: 02/22/25 Analyzed: 02/22/25 5.62 0.0250 5.00 ND 112 54-133 6.28 20

ND

ND

ND

ND

ND

110

112

111

112

111

102

5.00

5.00

5.00

10.0

15.0

8.00

5.49

5 58

5.54

11.2

16.7

8.19

0.0250

0.0250

0.0250

0.0500

0.0250

61-133

61-130

63-131

63-131

63-131

70-130

6.47

6.32

5.89

6.25

6.13

20

20

20

20

20



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/3/2025 12:11:36PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			3/	3/2025 12:11:36PM	
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2508126-BLK1)							Prepared: 0	2/22/25 Ana	yzed: 02/22/25	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130				
LCS (2508126-BS2)							Prepared: 0	2/22/25 Ana	yzed: 02/22/25	
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.96		8.00		87.0	70-130				
Matrix Spike (2508126-MS2)				Source:	E502205-	05	Prepared: 0	2/22/25 Ana	yzed: 02/22/25	
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.1	70-130				
Matrix Spike Dup (2508126-MSD2)				Source:	E502205-	05	Prepared: 0	2/22/25 Ana	yzed: 02/22/25	
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130	1.22	20		

8.00

6.82

85.3

70-130

# **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/3/2025 12:11:36PM

Danas 1X, 73240		1 Toject Ivianage	7.5	micy Gloveng	50				5/5/2025 12:11:5011
	Nonha	logenated Or	ganics by l	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 (2508135-BLK1)							Prepared: 0	2/22/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.2		50.0		92.3	61-141			
LCS (2508135-BS1)							Prepared: 0	2/22/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	235	25.0	250		93.8	66-144			
Surrogate: n-Nonane	47.3		50.0		94.6	61-141			
Matrix Spike (2508135-MS1)				Source:	E502201-0	05	Prepared: 0	2/22/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	53.3		50.0		107	61-141			
Matrix Spike Dup (2508135-MSD1)				Source:	E502201-0	05	Prepared: 0	2/22/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156	1.52	20	
Surrogate: n-Nonane	54.0		50.0		108	61-141			

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/3/2025 12:11:36PM
	Aniono hy l	EDA 200 0/0056 A	

Anions by EPA 300.0/9056A									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 (2509002-BLK1)							Prepared: 0	2/23/25 An	alyzed: 02/23/25	
Chloride	ND	20.0								
LCS (2509002-BS1)							Prepared: 0	2/23/25 An	alyzed: 02/23/25	
Chloride	252	20.0	250		101	90-110				
Matrix Spike (2509002-MS1)				Source:	E502205-	11	Prepared: 0	2/23/25 An	alyzed: 02/23/25	
Chloride	1560	20.0	250	1370	77.5	80-120			M4	
Matrix Spike Dup (2509002-MSD1)				Source:	E502205-	11	Prepared: 0	2/23/25 An	alyzed: 02/23/25	
Chloride	1580	20.0	250	1370	86.8	80-120	1.47	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**

I	Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/03/25 12:11

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.



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Project:	Big Bucks	Fed Com	501			Add	ress: 3122 National I	Parks Hwy		E	50	CZ	00	b	b Nur	Ø					х	х		
Project N	/lanager: As	hley Giov	engo			City,	State, Zip: Carlsbad	NM, 8822	0	[														
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City, Stat	e, Zip: Carls	bad NM,	88220			Ema	ail: agiovengo@ens	olum.com						Τ								SDWA	CWA	RCRA
Phone: !	575-988-005 <u>:</u>	5				Misc	ellaneous:							1	- [			l		1				
Email: a	<u>giovengo@e</u>	nsolum.c	om	_		L					ي ا	<u>.</u>	<u>ا</u> يو	-1				1	1	1	1	Complianc	e Y	or N
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Time Sampled	Date Sampled	Matrix	No. of Containers			S	Sample ID		Field Filter	Lab Numbe	er 8	DRO/ORO By 8015	GRO/DRO by	BIEA UY SUZI	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				1	Remarks	
12:11	2/20/2025	Soil	1				SS02 - 0'			1						x								ļ
15:10	2/20/2025	Soil	1			:	SS01 - 0'			2	1	T		T		х								-
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				<u> </u>							_								<u> </u>					
Addition	al Instructio	ns: Plea	se CC: c	burton@e	nsolum.	com, a	giovengo@ensolum	.com, iestr	ella@	Pensolu	um.c	om,	chan	nilto	n@en	solu	n.cor	n, bs	imm	ons@	ens	olum.com		
	oler), attest to the	validity and	authenticit	y of this sampl	e. Iam awa	re that t	ampering with or intentional	lly mislabeling	the sar	nple locati	ion, da	ate or	time of	collec	tion is c	onside	red frau	ud and	may b	e grou	nds for	legal action.		
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envirotecher glass, v-VOA

Page 119

environment expense. The report for the analysis of the above

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	Clie	nt Inform	ation			Invoice I	nformation				La	b Us	e On	ly				TA	T		Sta	te
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Project:	Big Bucks	Fed Com	501			dress: 3122 Natio			E	De	$z\alpha$	0	23	EK	$\infty$	4			х	×		
Project N	Manager: As	hley Giov	engo		Ci	ty, State, Zip: Carls	sbad NM, 8822	0														
Address:	3122 Natio	nal Parks	Hwy		Ph	one: 575-988-00	55						Ana	lysis	and I	Meth	rod				<b>EPA Prog</b>	ram
City, Stat	e, Zip: Carls	bad NM,	88220		E	mail: agiovengo@	ensolum.com													SDW	A CWA	RCRA
Phone: 5	75-988-005	5			Mi	scellaneous:					150						1					
Email: a	giovengo@e	nsolum.c	om							2	2									Compli	ance Y	or N
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				Sam	ple Informat	ion				ор Д	90	802	8260	300	NZ.	- S	Met			1		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field Filter Z	Lab umber	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remark	S.
12:11	2/20/2025	Soil	1		20	-5502-0'55									x					Ch	ande	d
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Addition	al Instructio	ns: Plea	se CC: ck	ourton@e	nsolum.com	, agiovengo@enso	olum.com, lestr	ella@e	nsolur	m.con	n, cha	amili	ton@	enso	olum	.com	, bsi	mmc	ns@e	solum.c	om	
	oler), attest to the	validity and	authenticity	of this samp	le. I am aware th	at tampering with or inter	ntionally mislabeling	the sample	locatio	n, date	or time	of co	llection	is con	sidere	d fraud	d and i	may be	grounds	for legal act	ion.	
	ed by: (Signatur	re)	Date 2	ws	Time	Received by: (Signate (	Jonzales	2. 2	1.25	Time	00				sample		eived p				ved on Ice the o	
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						r arrangements are man this COC. The liability										clien	expe	ense. T	he repo	rt for the a	nalysis of th	e above



envirotech 9598

envirotech Inc.

Printed: 2/24/2025 3:00:19PM

### **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:	02/22/25	05:00		Work Order ID:	E502206
Phone:	(972) 371-5200	Date Logged In:	02/21/25	15:53		Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	02/28/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted 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 disucssi					Comment	s/Resolution
Sample T	Curn Around Time (TAT)						
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?						
	· · · · · · · · · · · · · · · · · · ·	1	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 v	visible ice, record the temperature. Actual sample	temperature: 4°	С				
	Container .		_				
	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 contain		Yes				
Field Lab		nois conceica.	105				
	field sample labels filled out with the minimum info	ormation.					
	ample ID?	ornation.	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				
	, does the COC specify which phase(s) is to be analy		NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	en r9	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	NI A		
	• •	i so wiio:	INA	Subcontract Lab	); NA		
Client Ir	<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: Big Bucks Fed Com 501

Work Order: E502255

Job Number: 23003-0002

Received: 2/26/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/4/25

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

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

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

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

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

Date Reported: 3/4/25

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

Project Name: Big Bucks Fed Com 501

Workorder: E502255

Date Received: 2/26/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/26/2025 4:30:00AM, under the Project Name: Big Bucks Fed Com 501.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501 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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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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# Sample Summary

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 08:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS16-1'	E502255-01A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS17-1'	E502255-02A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS19-1'	E502255-03A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS18-0'	E502255-04A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS20-0'	E502255-05A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS21-0'	E502255-06A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS18-1'	E502255-07A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS20-1'	E502255-08A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.
SS21-1'	E502255-09A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/4/2025 8:03:02AM

### SS16-1' E502255-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Benzene	ND	0.0250	1	l	02/26/25	02/26/25	
Ethylbenzene	ND	0.0250	1	l	02/26/25	02/26/25	
Toluene	ND	0.0250	1	l	02/26/25	02/26/25	
o-Xylene	ND	0.0250	1	1	02/26/25	02/26/25	
p,m-Xylene	ND	0.0500	1	l	02/26/25	02/26/25	
Total Xylenes	ND	0.0250	1	l	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.2 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		97.1 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Gasoline Range Organics (C6-C10)	ND	20.0	1	[	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.2 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		97.1 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2509078
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/26/25	02/26/25	
Surrogate: n-Nonane		108 %	61-141		02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509087



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo3/4/20258:03:02AM

### SS17-1' E502255-02

### Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2509071 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 02/26/25 02/26/25 ND 0.0250 Benzene 02/26/25 02/26/25 Ethylbenzene ND 0.0250 1 ND 0.0250 1 02/26/25 02/26/25 Toluene 1 02/26/25 02/26/25 ND 0.0250 o-Xylene 02/26/25 02/26/25 ND 0.0500 1 p,m-Xylene 02/26/25 02/26/25 1 Total Xylenes ND 0.0250 94.0 % 02/26/25 02/26/25 Surrogate: Bromofluorobenzene 70-130 Surrogate: 1,2-Dichloroethane-d4 98.6 % 70-130 02/26/25 02/26/25 Surrogate: Toluene-d8 96.4 % 70-130 02/26/25 02/26/25 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2509071 ND 02/26/25 02/26/25 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 94.0 % 02/26/25 02/26/25 70-130 02/26/25 02/26/25 Surrogate: 1,2-Dichloroethane-d4 98.6 % 70-130 Surrogate: Toluene-d8 02/26/25 02/26/25 96.4 % 70-130 mg/kg Analyst: NV Batch: 2509078 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 02/26/25 ND 25.0 1 02/26/25 Diesel Range Organics (C10-C28) ND 50.0 1 02/26/25 02/26/25 Oil Range Organics (C28-C36) 112 % 61-141 02/26/2502/26/25Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: AK Batch: 2509087

20.0

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02/26/25

02/26/25



Chloride

Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo3/4/2025 8:03:02AM

### SS19-1'

### E502255-03 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2509071 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 02/26/25 02/26/25 ND 0.0250 Benzene 02/26/25 02/26/25 Ethylbenzene ND 0.0250 1 ND 0.0250 1 02/26/25 02/26/25 Toluene 1 02/26/25 02/26/25 ND 0.0250 o-Xylene 02/26/25 02/26/25 ND 0.0500 1 p,m-Xylene 02/26/25 02/26/25 1 Total Xylenes ND 0.0250 02/26/25 02/26/25 Surrogate: Bromofluorobenzene 94.3 % 70-130 Surrogate: 1,2-Dichloroethane-d4 99.9 % 70-130 02/26/25 02/26/25 Surrogate: Toluene-d8 95.7% 70-130 02/26/25 02/26/25 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2509071 ND 1 02/26/25 02/26/25 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 94.3 % 02/26/25 02/26/25 70-130 99.9 % 02/26/25 02/26/25 Surrogate: 1,2-Dichloroethane-d4 70-130 Surrogate: Toluene-d8 02/26/25 02/26/25 95.7% 70-130 mg/kg Analyst: NV Batch: 2509078 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 02/26/25 ND 25.0 1 02/26/25 Diesel Range Organics (C10-C28) ND 50.0 1 02/26/25 02/26/25 Oil Range Organics (C28-C36) 116% 61-141 02/26/2502/26/25 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: AK Batch: 2509087

20.0

165

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02/26/25

02/26/25



Chloride

 Matador Resources, LLC.
 Project Name:
 Big Bucks Fed Com 501

 5400 LBJ Freeway, Suite 1500
 Project Number:
 23003-0002
 Reported:

 Dallas TX, 75240
 Project Manager:
 Ashley Giovengo
 3/4/2025
 8:03:02AM

### SS18-0'

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Benzene	ND	0.0250	1	l	02/26/25	02/26/25	
Ethylbenzene	ND	0.0250	1	l	02/26/25	02/26/25	
Toluene	ND	0.0250	1	l	02/26/25	02/26/25	
o-Xylene	ND	0.0250	1	1	02/26/25	02/26/25	
p,m-Xylene	ND	0.0500	1	1	02/26/25	02/26/25	
Total Xylenes	ND	0.0250	1	l	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.8 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		99.3 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.8 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		99.3 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2509078
Diesel Range Organics (C10-C28)	ND	25.0	1		02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	02/26/25	02/26/25	
Surrogate: n-Nonane		115 %	61-141		02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509087
THIONS BY EITHEOUTOFF VEGUT							

Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo3/4/20258:03:02AM

### SS20-0'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Benzene	ND	0.0250	1	1	02/26/25	02/26/25	
Ethylbenzene	ND	0.0250	1	1	02/26/25	02/26/25	
Toluene	ND	0.0250	1	1	02/26/25	02/26/25	
o-Xylene	ND	0.0250	1	1	02/26/25	02/26/25	
p,m-Xylene	ND	0.0500	1	1	02/26/25	02/26/25	
Total Xylenes	ND	0.0250	1	1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		97.6 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		97.6 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		97.6 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		97.6 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2509078
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/26/25	02/26/25	
Surrogate: n-Nonane		108 %	61-141		02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509087

Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo3/4/20258:03:02AM

### SS21-0'

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Benzene	ND	0.0250	1	l	02/26/25	02/26/25	
Ethylbenzene	ND	0.0250	1	l	02/26/25	02/26/25	
Toluene	ND	0.0250	1	l	02/26/25	02/26/25	
o-Xylene	ND	0.0250	1	1	02/26/25	02/26/25	
p,m-Xylene	ND	0.0500	1	1	02/26/25	02/26/25	
Total Xylenes	ND	0.0250	1	l	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.9 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		97.6 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.9 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		97.6 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2509078
Diesel Range Organics (C10-C28)	ND	25.0	1		02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	02/26/25	02/26/25	
Surrogate: n-Nonane		100 %	61-141		02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509087



 Matador Resources, LLC.
 Project Name:
 Big Bucks Fed Com 501

 5400 LBJ Freeway, Suite 1500
 Project Number:
 23003-0002
 Reported:

 Dallas TX, 75240
 Project Manager:
 Ashley Giovengo
 3/4/2025
 8:03:02AM

### SS18-1'

		1001100 01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Апагусе	Result	Limit	Dili	ution	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Benzene	ND	0.0250		1	02/26/25	02/26/25	
Ethylbenzene	ND	0.0250		1	02/26/25	02/26/25	
Toluene	ND	0.0250		1	02/26/25	02/26/25	
o-Xylene	ND	0.0250		1	02/26/25	02/26/25	
p,m-Xylene	ND	0.0500		1	02/26/25	02/26/25	
Total Xylenes	ND	0.0250		1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		95.4 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		99.5 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509071
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		95.4 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		99.5 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2509078
Diesel Range Organics (C10-C28)	ND	25.0		1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/26/25	02/26/25	
Surrogate: n-Nonane		112 %	61-141		02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2509087
Chloride	225	20.0		1	02/26/25	02/26/25	_



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo3/4/2025 8:03:02AM

### SS20-1'

		1001100 00					
Applyto	Result	Reporting Limit		ution	Dranarad	Analyzed	Notes
Analyte	Kesuit	Limit	Dil	ution	Prepared	Anaiyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2509071
Benzene	ND	0.0250		1	02/26/25	02/26/25	
Ethylbenzene	ND	0.0250		1	02/26/25	02/26/25	
Toluene	ND	0.0250		1	02/26/25	02/26/25	
o-Xylene	ND	0.0250		1	02/26/25	02/26/25	
p,m-Xylene	ND	0.0500		1	02/26/25	02/26/25	
Total Xylenes	ND	0.0250		1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.3 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		98.3 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509071
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		96.3 %	70-130		02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		02/26/25	02/26/25	
Surrogate: Toluene-d8		98.3 %	70-130		02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2509078
Diesel Range Organics (C10-C28)	ND	25.0		1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/26/25	02/26/25	
Surrogate: n-Nonane		110 %	61-141		02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: AK		Batch: 2509087
Chloride	318	20.0		1	02/26/25	02/26/25	<u> </u>
Chloride	318	20.0		1	02/26/25	02/26/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 5015400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo3/4/20258:03:02AM

### SS21-1' E502255-09

		1001100 07				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
	mg/kg	mg/kg		analyst: IY	1 11111 ) 200	Batch: 2509071
Volatile Organic Compounds by EPA 8260B			1	02/26/25	02/26/25	Batch. 2309071
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	1	02/26/25	02/26/25	
Toluene	ND	0.0250	1	02/26/25	02/26/25	
o-Xylene	ND	0.0250	1	02/26/25	02/26/25	
p,m-Xylene	ND	0.0500	1	02/26/25	02/26/25	
Total Xylenes	ND	0.0250	1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130	02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	02/26/25	02/26/25	
Surrogate: Toluene-d8		97.8 %	70-130	02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2509071
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/26/25	02/26/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130	02/26/25	02/26/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	02/26/25	02/26/25	
Surrogate: Toluene-d8		97.8 %	70-130	02/26/25	02/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: NV		Batch: 2509078
Diesel Range Organics (C10-C28)	ND	25.0	1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/26/25	02/26/25	
Surrogate: n-Nonane		108 %	61-141	02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: AK		Batch: 2509087
Chloride	34.1	20.0	1	02/26/25	02/26/25	



# **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/4/2025 8:03:02AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			3/4	1/2025 8:03:02AN
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
,	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509071-BLK1)							Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.474		0.500		94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.2	70-130			
LCS (2509071-BS1)							Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Benzene	2.21	0.0250	2.50		88.3	70-130			
Ethylbenzene	2.14	0.0250	2.50		85.7	70-130			
Toluene	2.09	0.0250	2.50		83.4	70-130			
p-Xylene	2.07	0.0250	2.50		82.8	70-130			
p,m-Xylene	4.17	0.0500	5.00		83.4	70-130			
Total Xylenes	6.24	0.0250	7.50		83.2	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			
Matrix Spike (2509071-MS1)				Source:	E502255-	08	Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Benzene	2.30	0.0250	2.50	ND	92.2	48-131			
Ethylbenzene	2.22	0.0250	2.50	ND	88.9	45-135			
Toluene	2.16	0.0250	2.50	ND	86.6	48-130			
o-Xylene	2.05	0.0250	2.50	ND	82.0	43-135			
p,m-Xylene	4.12	0.0500	5.00	ND	82.3	43-135			
Total Xylenes	6.17	0.0250	7.50	ND	82.2	43-135			
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.471		0.500		94.2	70-130			
Matrix Spike Dup (2509071-MSD1)				Source:	E502255-	08	Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Benzene	2.40	0.0250	2.50	ND	96.0	48-131	4.08	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.3	45-135	5.87	27	
Toluene	2.29	0.0250	2.50	ND	91.5	48-130	5.50	24	
o-Xylene	2.26	0.0250	2.50	ND	90.5	43-135	9.90	27	
p,m-Xylene	4.53	0.0500	5.00	ND	90.5	43-135	9.51	27	
Total Xylenes	6.79	0.0250	7.50	ND	90.5	43-135	9.64	27	
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			

0.500

70-130

0.476

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

# **QC Summary Data**

Big Bucks Fed Com 501 Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002

Dallas TX, 75240		Project Manager	: As	shley Gioveng	go			3/-	4/2025 8:03:02AM
	Non	halogenated (	Organics l	by EPA 801	15D - Gl	RO			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 (2509071-BLK1)							Prepared: 02	2/26/25 Anal	yzed: 02/26/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.474		0.500		94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.2	70-130			
LCS (2509071-BS2)							Prepared: 02	2/26/25 Anal	yzed: 02/26/25
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Gurrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
urrogate: Toluene-d8	0.494		0.500		98.8	70-130			
Matrix Spike (2509071-MS2)				Source:	E502255-	08	Prepared: 02	2/26/25 Anal	yzed: 02/26/25
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Gurrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
urrogate: Toluene-d8	0.500		0.500		100	70-130			
Matrix Spike Dup (2509071-MSD2)				Source:	E502255-	08	Prepared: 02	2/26/25 Anal	yzed: 02/26/25
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130	4.04	20	

0.500

0.500

0.500

95.1

101

98.1

70-130

70-130

70-130

0.476

0.503

0.491



# **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/4/20258:03:02AM

Danas 17, 75240			3/ 1/2023 0.03.02/ 11/1						
	Nonha	logenated Or	ganics by	EPA 8015I	O - 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 (2509078-BLK1)							Prepared: 0	2/26/25 An	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.4		50.0		103	61-141			
LCS (2509078-BS1)							Prepared: 0	2/26/25 An	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: n-Nonane	53.7		50.0		107	61-141			
Matrix Spike (2509078-MS1)				Source:	E502255-0	05	Prepared: 0	2/26/25 An	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	52.4		50.0		105	61-141			
Matrix Spike Dup (2509078-MSD1)				Source:	E502255-0	05	Prepared: 0	2/26/25 An	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	4.51	20	
Surrogate: n-Nonane	54.3		50.0		109	61-141			

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Big Bucks Fed Com 501 Project Number: 23003-0002						Reported:				
Dallas TX, 75240	Project Manager: Ashley Giovengo								3/4/2025 8:03:02AM			
		Anions	by EPA	300.0/9056 <i>A</i>	<b>A</b>				Analyst: AK			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2509087-BLK1)							Prepared: (	)2/26/25	Analyzed: 02/26/25			
Chloride	ND	20.0										
LCS (2509087-BS1)							Prepared: (	02/26/25	Analyzed: 02/26/25			
Chloride	254	20.0	250		102	90-110						
Matrix Spike (2509087-MS1)				Source:	E502255-0	)6	Prepared: (	02/26/25	Analyzed: 02/26/25			
Chloride	342	20.0	250	87.3	102	80-120						
Matrix Spike Dup (2509087-MSD1)				Source:	E502255-0	)6	Prepared: (	)2/26/25	Analyzed: 02/26/25			
Chloride	345	20.0	250	87.3	103	80-120	0.680	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:	Big Bucks Fed Com 501	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 08:03

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

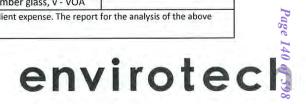
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



	Page	_ '	_	of _	1	Rec
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ra	m					G
	RCI	RA	ł			5/2
	or	N				7/2025
cs						Received by OCD: 5/27/2025 1:00:10 PM
						PM

	Clie	Client Information Invoice Informatio					on	Lab Use Only					ly	y TAT					State			
Client: N	Natador Prod	luction C	ompany		Co	mpany: Ensolum LLC		L	ab W	VO#			lob I	Num	ber		1D	2D	3D Std	NM	CO UT	TX
Project:						dress: 3122 National Parks	Hwy				55		23	00	2-00	2			х	x		
Project N	/lanager: Asl	hlev Giov	engo		Cit	y, State, Zip: Carlsbad NM,	88220				150											
	3122 Nation					one: 575-988-0055							Ana	lysis	and	Met	hod			EP	A Progra	m
	e, Zip: Carls				Fr	nail: agiovengo@ensolum	.com	- 1												SDWA	CWA	RCRA
	575-988-005				-	cellaneous:											h y	- 1				7.7
	giovengo@e		om							10	5									Compliand	ce Y	or N
										801	8015			0			2			PWSID#		
				Samp	le Informati	on				DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	rceq 1005 - TX	RCRA 8 Metals					
Time	5		No. of			Comple ID	Field	Lab		NO/OR	ND/DR	X by	by	oride	200	7 100	A 8				Remarks	4
Sampled	Date Sampled	Matrix	Containers			Sample ID		Lab Numb	per	DRC	GRC	BTE	00	동	BGC	TCEC	RCR					
10:40	2/24/2025	Soil	1			SS01 - 1'		1							х							
11:23	2/24/2025	Soil	1			SS02 - 1'		2							x							
11:48	2/24/2025	Soil	1			SS04 - 1'		2			T				х							
12:57	2/24/2025	Soil	1			SS03 - 0'		ŭ			F				x							
14:00	2/24/2025	Soil	1			SS05 - 0'		5					ī		х							
14:07	2/24/2025	Soil	1			SS06 - 0'		10							х							
15:43	2/24/2025	Soil	1			SS03 - 1'		7							х							
16:18	2/24/2025	Soil	1			SS05 - 1'		8							х							
16:31	2/24/2025	Soil	1			SS06 - 1'		a							х							
																Ħ						
Addition	al Instructio	ns: Ple	ase CC: cbi	urton@en	solum.com	, agiovengo@ensolum.com	, iestrella	enso	lum.	com	, cha	milt	on@	ense	olum	.con	n, bsi	mmo	ns@ens	olum.com	1	
I Ifield same	nler) attest to the	e validity and	dauthenticity	of this sample	Lam aware th	at tampering with or intentionally misl	laheling the sa	imple loca	ation o	date o	r time	of col	lection	is cor	sidere	d frau	d and r	nav be	grounds fo	r legal action		
	:Jenna Hinkle_					, , , , , , , , , , , , , , , , , , , ,				30000		5,05.50							<b>3</b> (3),(3),(3), (3)			
	ed by: (Signatu	re)	Date	. 1	Time	Received by: (Signature)	Date		T	Time					Sample	es requ	iring the	rmal pr	eservation m	ust be received	on ice the da	y they are
Drivin	a Hinh	10	17/1	5/25		Received by: (Signature)	alec )	253	25	10	775			1				acked i	n ice at an av	g temp above 0	but less than	6 °C on
Relinguish	ed by: (Signatur	re) fi	Date	10,00	fime _	Received by: (Signature)	Date		Ţ	ime					subser	went d	avs		Lab U	se Only		
	ed by (Signatur		8 2:	1222	1530	Andrew H.	2	.25.	23		120	00			Rec	eived	on i	ce:	(V)			
Relinquish	ed by: (Signatur	re) .	M. Date	23.28	1330		Date		T	Time 04	30	)			T1				T2		<u>T3</u>	
Relinquish	ed by: (Signatur	re)	Date	-	Time	Received by: (Signature)	Date		T	Time					AVG	Ten	np °C	4				
	rix: <b>S</b> - Soil, <b>Sd</b> - S							tainer T						olasti	c, ag	- amb	oer gla	ass, v				
						r arrangements are made. Hazard										e clier	nt expe	ense. 1	he report	for the anal	ysis of the	above
samples is	applicable only	to those s	amples recei	ved by the I	aboratory with	this COC. The liability of the labo	oratory is lim	ited to t	he am	nount	paid	for or	n the	repor	t.							





### **Chain of Custody**

						describes to	famouther.	-		=	1.	ab III		lie	-	Т		TAT			State	
Client Information					Invoice Information				Lab Use							1D 2D 3D Std		DID 4				
Client: Matador Production Company					-	Company: Ensolum LLC			and the second	Lab WO#			Job Number				1D	20 31		NIVI	CO UT TX	
Project:					The second second	Address: 3122 National Parks Hwy			_ E3	E502255				23003-0002			x		X			
	Manager: Asl					City, State, Zip: Carlsbad NM, 88220			_	_		_	-	-							A D	
	3122 Nation					Phone: 575-988-0055				_	Ana				nalysis and Meth						A Program	CDA
City, Stat	e, Zip: Carls	bad NM,	88220		Email: agiovengo@ensolum.com														SDWA	CWA R	CRA	
Phone: 5	575-988-005	5			Miscellaneous:				1								11 0				1	
Email: a				115	115									Complian	ce Y o	N						
												0	0.0	Σ	×	tals		100	PWSID#			
Sample Information											80.	v 80	826	e 30	Z	- 500	Me					
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				Remarks	
10:40	2/24/2025	Soil	. 1			5501-14 551	10-11		1						х					Cha	naed	
11:23	2/24/2025	Soil	1		120	5502-1 551	7-1'		2						х					San	uble no	ames
11:48	2/24/2025	Soil	1			5504-1' 5519	9-11		3						х					Oer	C. ham	ilton
12:57	2/24/2025	Soil	1		100	SS03-0'5519	8-0,		4						х					3	3/25	
14:00	2/24/2025	Soil	1			5505-0' 552	0-0'		5						х							
14:07	2/24/2025	Soil	1			SSOC-0'552	21-01		10						х							
15:43	2/24/2025	Soil	1		1	5503-1 5518	8-11		7						х							
16:18	2/24/2025	Soil	1			5505-1' 552	20-1'		8						х							
16:31	2/24/2025	Soil	1		-	5506-1'552	21-11		9						х							
							Ju 3/3/2	5														
Addition	nal Instruction	ns: Plea	ase CC: o	burton@e	nsolum.com,	agiovengo@enso	lum.com, iest	rella(	@ensolu	m.cc	om, ch	hami	lton(	ens	olum	con	n, bsi	mmon	s@ens	olum.cor	n	
		e validity and	lauthentici	ty of this sampl	le. I am aware that	tampering with or inten	tionally mislabeling	the sa	mple locatio	n, dat	te or tin	ne of c	ollectio	n is co	nsidere	d frau	id and i	may be gr	rounds fo	r legal action		
	:Jenna Hinkle_	ral	In-t		Time	Received by /Signatu	ıra)	Date		Tim	e			-	Sample	requ	iring the	ermal prese	ervation m	ust be received	on ice the day the	are
	ied by: (Signatu lá Hin h		2	125/25	Title.	Michelle /	Gonzales	2	22.35		104	2			sample		ceived p		ce at an av	rg temp above	0 but less than 6 °C	
Relinquished by (Signature)  Pate 2.1525 Time 530 Received by (Signature)						Date 2	.25.23	5.23 1200 Received on ice: $(\widehat{Y})/N$														
Relinquished by: (Signature)  M. 2.23.23 Received by: (Signature)  Date  2-								26-25	Tim	43												
Relinquished by: (Signature)  Date  Time  Received by: (Signature)							Date		Tim	ie		AVG Temp °C										
Sample Ma	trix: S - Soil, Sd - S	iolid, Sg - Slu	dge, A - Aqu	ueous, O - Othe	er			Con	tainer Ty	pe: g	- glas	s, p -	poly/	plast	c, ag -	aml	oer gl	ass, v -	VOA			
Note: Sam	ples are discard	ded 14 days	after resi	ults are repor	ted unless other	arrangements are ma	de. Hazardous sa	mples	will be ret	urne	d to cli	ent or	dispo	sed o	at the	clier	nt exp	ense. Th	e report	for the ana	lysis of the abo	ve
samples is	Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



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Printed: 2/26/2025 11:05:23AM

### **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:	02/26/25	04:30		Work Order ID:	E502255
Phone:	(972) 371-5200	Date Logged In:	02/25/25	15:26		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/04/25	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	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	`ourier		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	currer. <u>c</u>	<del>ZOULICI</del>		
	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					Comment	s/Resolution
Sample T	<u> [urn Around Time (TAT)</u>						
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, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	Container	iomporarare. <u>1</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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		ers conceica.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample I	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	: NA		
	nstruction						
CHERT	isti uction						

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: Big Bucks Fed Com 501H

Work Order: E503223

Job Number: 23003-0002

Received: 3/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/2/25

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

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

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

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

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

Date Reported: 4/2/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E503223

Date Received: 3/27/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2025 7:30:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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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Client Representative Office: 505-421-LABS(5227)

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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:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/02/25 08:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS32 - 0'	E503223-01A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS57 - 0'	E503223-02A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS58 - 0'	E503223-03A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS59 - 0'	E503223-04A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS60 - 0'	E503223-05A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS61 - 0'	E503223-06A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS62 - 0'	E503223-07A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS63 - 0'	E503223-08A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS64 - 0'	E503223-09A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS65 - 0'	E503223-10A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS66 - 0'	E503223-11A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS67 - 0'	E503223-12A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS69 - 0'	E503223-13A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS70 - 0'	E503223-14A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS71 - 0'	E503223-15A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS72 - 0'	E503223-16A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS74 - 0'	E503223-17A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS75 - 0'	E503223-18A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS76 - 0'	E503223-19A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS77 - 0'	E503223-20A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS32 - 0' E503223-01

Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0500	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
	93.5 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/28/25	
	85.9 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	alyst: HM		Batch: 2513078
157	25.0	1	03/27/25	03/28/25	
310	50.0	1	03/27/25	03/28/25	
	98.5 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	alyst: AK		Batch: 2513081
3040	40.0	2	03/27/25	03/27/25	
	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           85.9 %         mg/kg           mg/kg         mg/kg           157         25.0           310         50.0           98.5 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           mg/kg         mg/kg         Ana           ND         20.0         1           85.9 %         70-130         70-130           mg/kg         mg/kg         Ana           157         25.0         1           310         50.0         1           98.5 %         61-141           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           157         25.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           157         25.0         1         03/27/25           310         50.0         1         03/27/25           mg/kg         mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: HM           157         25.0         1         03/27/25         03/28/25           310         50.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AK

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

FS57 - 0' E503223-02

		1303223 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
o,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	54.8	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	123	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		100 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
Chloride	216	20.0	1	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS58 - 0' E503223-03

		E303223-03				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	76.9	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	167	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		101 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	nlyst: AK		Batch: 2513081
Chloride	828	20.0	1	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS59 - 0' E503223-04

	1305225 04				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0500	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
	94.2 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/28/25	
	83.8 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
238	25.0	1	03/27/25	03/28/25	
274	50.0	1	03/27/25	03/28/25	
	101 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
2540	40.0	2	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND ND 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           MD         0.0250           MD         0.0250           MD         20.0250           83.8 %         mg/kg           mg/kg         mg/kg           238         25.0           274         50.0           101 %         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           94.2 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           83.8 %         70-130         1           mg/kg         mg/kg         Anal           238         25.0         1           274         50.0         1           101 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           238         25.0         1         03/27/25           274         50.0         1         03/27/25           mg/kg         Mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: HM           238         25.0         1         03/27/25         03/28/25           274         50.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AK



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS60 - 0' E503223-05

		E303223-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	112	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	284	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		98.2 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: AK		Batch: 2513081
Chloride	821	20.0	1	03/27/25	03/27/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/2/20258:26:22AM

FS61 - 0' E503223-06

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0500	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
	90.6 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/28/25	
	85.7 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	lyst: HM		Batch: 2513078
86.5	25.0	1	03/27/25	03/27/25	
173	50.0	1	03/27/25	03/27/25	
	97.4 %	61-141	03/27/25	03/27/25	
mg/kg	mg/kg	Ana	lyst: AK		Batch: 2513081
1490	20.0	1	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND The state of t	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         20.0250           85.7 %         mg/kg           mg/kg         mg/kg           86.5         25.0           173         50.0           97.4 %         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           90.6%         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           85.7%         70-130         1           mg/kg         mg/kg         Anal           86.5         25.0         1           173         50.0         1           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           86.5         25.0         1         03/27/25           mg/kg         Mg/kg         Analyst: HM           86.5         25.0         1         03/27/25           173         50.0         1         03/27/25           mg/kg         mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           MD         0.0250         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: HM           86.5         25.0         1         03/27/25         03/27/25           173         50.0         1         03/27/25         03/27/25           mg/kg         mg/kg         Analyst: AK



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

FS62 - 0' E503223-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.4 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	900	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	382	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		95.3 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
Chloride	3090	40.0	2	03/27/25	03/27/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

FS63 - 0' E503223-08

		1303223 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
o,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.7 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	514	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	447	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		99.6 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
Chloride	1810	20.0	1	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS64 - 0' E503223-09

Notes
Batch: 2513082
Batch: 2513082
Batch: 2513078
Batch: 2513081



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS65 - 0' E503223-10

		E303223-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	153	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	335	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		102 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
Chloride	2060	20.0	1	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS66 - 0' E503223-11

	2000220 11				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0500	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
	93.7 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/29/25	
	83.4 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Ana	lyst: HM		Batch: 2513078
216	25.0	1	03/27/25	03/27/25	
465	50.0	1	03/27/25	03/27/25	
	97.4 %	61-141	03/27/25	03/27/25	
mg/kg	mg/kg	Ana	lyst: AK		Batch: 2513081
3970	40.0	2	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND ND 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           MD         0.0250           MD         0.0250           MD         20.0250           83.4 %         mg/kg           mg/kg         mg/kg           216         25.0           465         50.0           97.4 %         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           93.7 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           83.4 %         70-130         1           mg/kg         mg/kg         Anal           216         25.0         1           465         50.0         1           97.4 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           216         25.0         1         03/27/25           mg/kg         50.0         1         03/27/25           465         50.0         1         03/27/25           mg/kg         Mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0500         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: HM           216         25.0         1         03/27/25         03/27/25           465         50.0         1         03/27/25         03/27/25           mg/kg         mg/kg         Analyst: AK



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

FS67 - 0' E503223-12

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0500	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
	93.5 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/29/25	
	83.2 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
339	25.0	1	03/27/25	03/28/25	
580	50.0	1	03/27/25	03/28/25	
	102 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
4360	40.0	2	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 339 580	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         20.0250           83.5 %         mg/kg           mg/kg         mg/kg           mg/kg         mg/kg           580         50.0           102 %         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           93.5 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           83.2 %         70-130         1           mg/kg         mg/kg         Anal           339         25.0         1           580         50.0         1           102 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           339         25.0         1         03/27/25           580         50.0         1         03/27/25           mg/kg         61-141         03/27/25           mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0500         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: HM           339         25.0         1         03/27/25         03/28/25           580         50.0         1         03/27/25         03/28/25           mg/kg         Mg/kg         Analyst: HM

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

FS69 - 0' E503223-13

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.5 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	6070	500	20	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	14100	1000	20	03/27/25	03/28/25	
Surrogate: n-Nonane		91.2 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: AK		Batch: 2513081
· · · · · · · · · · · · · · · · · · ·	1180	20.0	1	03/27/25	03/27/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS70 - 0' E503223-14

		E303223-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	38.4	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	58.9	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		96.8 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2513081
Chloride	4230	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS71 - 0' E503223-15

	1300220 13				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0500	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
	95.4 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/29/25	
	84.6 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
34.8	25.0	1	03/27/25	03/28/25	
76.6	50.0	1	03/27/25	03/28/25	
	96.9 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
155	20.0	1	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 34.8 76.6	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         20.0250           84.6 %         mg/kg           mg/kg         mg/kg           34.8         25.0           76.6         50.0           96.9 %         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           95.4 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           84.6 %         70-130         1           mg/kg         mg/kg         Anal           34.8         25.0         1           76.6         50.0         1           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           34.6         %         70-130         03/27/25           mg/kg         mg/kg         Analyst: HM           34.8         25.0         1         03/27/25           76.6         50.0         1         03/27/25           mg/kg         Mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0500         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: HM           34.8         25.0         1         03/27/25         03/28/25           76.6         50.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AK



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

FS72 - 0' E503223-16

		2002220 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	127	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	207	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		96.8 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: AK		Batch: 2513081
Chloride	2780	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS74 - 0' E503223-17

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	191	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	179	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		99.0 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
Chloride	1730	20.0	1	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS75 - 0' E503223-18

	1305225 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0500	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
	94.9 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/29/25	
	84.5 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2513078
97.8	25.0	1	03/27/25	03/28/25	
168	50.0	1	03/27/25	03/28/25	
	96.1 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2513081
1290	20.0	1	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND ND 10 10 10 10 10 10 10 10 10 10 10 10 10	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           94.9 %         mg/kg           mg/kg         mg/kg           ND         20.0           84.5 %         mg/kg           97.8         25.0           168         50.0           96.1 %         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           94.9 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           84.5 %         70-130         1           mg/kg         mg/kg         Anal           97.8         25.0         1           168         50.0         1           96.1 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           97.8         25.0         1         03/27/25           168         50.0         1         03/27/25           mg/kg         61-141         03/27/25           mg/kg         Mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0500         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: HM           97.8         25.0         1         03/27/25         03/28/25           168         50.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AK



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

#### FS76 - 0' E503223-19

		E303223-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2513082
Benzene	ND	0.0250	1	03/27/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/29/25	
Toluene	ND	0.0250	1	03/27/25	03/29/25	
o-Xylene	ND	0.0250	1	03/27/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2513082
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	03/27/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: HM		Batch: 2513078
Diesel Range Organics (C10-C28)	652	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	691	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		100 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: AK		Batch: 2513081
Chloride	3570	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2025 8:26:22AM

FS77 - 0' E503223-20

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	yst: BA		Batch: 2513082
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
ND	0.0500	1	03/27/25	03/29/25	
ND	0.0250	1	03/27/25	03/29/25	
	96.0 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Ana	yst: BA		Batch: 2513082
ND	20.0	1	03/27/25	03/29/25	
	84.8 %	70-130	03/27/25	03/29/25	
mg/kg	mg/kg	Ana	yst: HM		Batch: 2513078
174	25.0	1	03/27/25	03/28/25	
248	50.0	1	03/27/25	03/28/25	
	101 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	yst: AK		Batch: 2513081
2180	20.0	1	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND The state of t	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           84.8 %         mg/kg           mg/kg         mg/kg           174         25.0           248         50.0           101 %         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           mg/kg         mg/kg         Anal           ND         20.0         1           84.8 %         70-130           mg/kg         mg/kg         Anal           174         25.0         1           248         50.0         1           101 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: HM           174         25.0         1         03/27/25           mg/kg         50.0         1         03/27/25           101 %         61-141         03/27/25           mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0500         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           ND         0.0250         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         03/27/25         03/29/25           mg/kg         mg/kg         Analyst: HM           174         25.0         1         03/27/25         03/28/25           248         50.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AK

#### **QC Summary Data**

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/2/2025 8:26:22AM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2513082-BLK1) Prepared: 03/27/25 Analyzed: 03/28/25 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 7.54 8.00 94.3 70-130 LCS (2513082-BS1) Prepared: 03/27/25 Analyzed: 03/28/25 5.40 108 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.10 0.0250 5.00 102 70-130 5.30 0.0250 5.00 106 70-130 Toluene 102 o-Xylene 5.10 0.0250 5.00 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 103 70-130 15.4 15.0 Total Xylenes 0.0250 8.00 95.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.60 Matrix Spike (2513082-MS1) Source: E503223-06 Prepared: 03/27/25 Analyzed: 03/28/25 5.63 0.0250 5.00 ND 113 70-130 Benzene ND 70-130 Ethylbenzene 5.30 0.0250 5.00 106 Toluene 5.51 0.0250 5.00 ND 110 70-130 5.28 ND 70-130 5.00 106 0.0250 o-Xylene p,m-Xylene 10.7 0.0500 10.0 ND 107 70-130 16.0 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.23 8.00 Matrix Spike Dup (2513082-MSD1) Source: E503223-06 Prepared: 03/27/25 Analyzed: 03/28/25 5.60 0.0250 5.00 ND 112 70-130 0.531 27 70-130 0.0273 5.30 0.0250 5.00 ND 106 26 Ethylbenzene

5 49

5.29

10.7

16.0

7.28

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

110

106

107

107

91.0

70-130

70-130

70-130

70-130

70-130

0.439

0.0710

0.143

0.119

20

25

23

26



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/2/2025 8:26:22AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			4/2	2/2025 8:26:22AM
		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 (2513082-BLK1)							Prepared: 0	3/27/25 Anal	yzed: 03/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.73		8.00		84.1	70-130			
LCS (2513082-BS2)							Prepared: 0	3/27/25 Anal	yzed: 03/28/25
Gasoline Range Organics (C6-C10)	36.5	20.0	50.0		72.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.85		8.00		85.6	70-130			
Matrix Spike (2513082-MS2)				Source:	E503223-	06	Prepared: 0	3/27/25 Anal	yzed: 03/28/25
Gasoline Range Organics (C6-C10)	37.9	ND	75.7	70-130					

Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.7	70-130			
Matrix Spike Dup (2513082-MSD2)				Source:	E503223-0	06	Prepared: 03	3/27/25	Analyzed: 03/28/25
Gasoline Range Organics (C6-C10)	38.3	20.0	50.0	ND	76.6	70-130	1.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/2/20258:26:22AM

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	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2513078-BLK1)							Prepared: 0	3/27/25 An	alyzed: 03/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.7		50.0		95.4	61-141			
LCS (2513078-BS1)							Prepared: 0	3/27/25 An	alyzed: 03/27/25
Diesel Range Organics (C10-C28)	264	25.0	250		105	66-144			
Surrogate: n-Nonane	49.4		50.0		98.8	61-141			
Matrix Spike (2513078-MS1)				Source:	E503223-	04	Prepared: 0	3/27/25 An	alyzed: 03/28/25
Diesel Range Organics (C10-C28)	552	25.0	250	238	126	56-156			
Surrogate: n-Nonane	50.1		50.0		100	61-141			
Matrix Spike Dup (2513078-MSD1)				Source:	E503223-	04	Prepared: 0	3/27/25 An	alyzed: 03/28/25
Diesel Range Organics (C10-C28)	524	25.0	250	238	114	56-156	5.22	20	
Surrogate: n-Nonane	47.5		50.0		94.9	61-141			

Matrix Spike (2513081-MS1)

Matrix Spike Dup (2513081-MSD1)

Chloride

Chloride

1120

1110

Prepared: 03/27/25 Analyzed: 03/27/25

Prepared: 03/27/25 Analyzed: 03/27/25

20

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Big Bucks Fed Com 501H Project Number: 23003-0002							Reported:			
Dallas TX, 75240	Project Manager:	Project Manager: Ashley Giovengo					4/2/2025 8:26:22AM				
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: AK		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2513081-BLK1)							Prepared: 0	3/27/25 A	nalyzed: 03/27/25		
Chloride	ND	20.0									
LCS (2513081-BS1)							Prepared: 0	3/27/25 A	nalyzed: 03/27/25		
Chloride	255	20.0	250		102	90-110					

250

250

20.0

20.0

Source: E503223-05

Source: E503223-05

118

117

80-120

80-120

0.195

821

821

#### 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:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo04/02/25 08:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

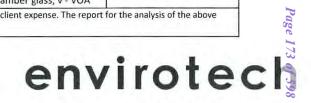
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page _	_of4_Rece
TX	Received by OCD: 5/27/2025 1:00:10 PM
n RCRA	OCD: 5/2
or N	27/2025
	1:00:16
	) PM

	Client Information					Invoice Information				La	b Us	e On	ly				TA	T		State		
	ntador ig Bucks FED anager: Asl					Company: Ensolum Ll Address: 3122 Nation City, State, Zip: Carlsb	al Parks Hwy	0	La	ь wo	# 52Z	_		Num 203		20	1D	2D	3D Std	NM X	CO UT	TX
	3122 Nation					Phone: 575-988-0055							Ana	lysis	and	Met	hod			EP	am	
	, Zip: Carls					Email: agiovengo@e														SDWA	CWA	RCRA
Phone: 5	75-988-0055	5				Miscellaneous:					600								W.			
Email: ag	iovengo@ei	nsolum.c	om							015	8015									Complian	ce Y	or N
				Cam	ple Inforr	nation		<u> </u>		- P	by 8(	021	09	Chloride 300.0	Σ	XT.	etals			PWSID #		
Time			No. of	Jain	pie ilitori		-	0 2	Lab	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	ide 3	)C-1	rceq 1005 - TX	RCRA 8 Metals	- 1			Remarks	3
Sampled	Date Sampled	Matrix	Containers			Sample ID		Fiel	Lab Numbe	er OHO	GRO,	BTEX	VOC	Chlor	BGDOC - NM	тсеа	RCRA					
1257	3/25/2025	S	1	FS.	32 -	0'									х							
0937	3/25/2025	S	1	FS	57	- 0'			2						X							
0932	3/25/2025	S	1	FSS	8	-0'			3						X							
0941	3/25/2025	S	1	F55	79	- 0'			4						Х							
0932	3/25/2025	S	1	FSG	60	-6'			5						X							
0943	3/25/2025	S	1	FSG	61	-0'			6						х							
0943	3/25/2025	S	1	FSI	62	-0'			7						х							
0946	3/25/2025	S	1	FS6	3	- 0'			8						X							
0930	3/25/2025	S	1	FS6	4 -	0'			9						х							
1254	3/25/2025	S	1	F56	5	-0'			10						х			14				
Additiona	al Instructio	ns: Plea	ase CC: a	giovengo(	@ensolun	n.com, chamilton@enso	olum.com, ies	strell	a@ens	olum.	com,	bsim	mon	s@e	nsolu	um.c	om, j	gonza	alez@ei	nsolum.co	m	
	er), attest to the				le. I am awa	re that tampering with or intention	onally mislabeling	the sar	mple locati	ion, date	e or tim	e of co	llectio	n is cor	sidere	ed frau	d and r	may be	grounds fo	r legal action.		
	d by: (Signatur		Date		Time	Reserved by: Bignaring	ebngales	Date 3-2	26-2	S I	00	)			sample		ceived p			ust be received g temp above 0		
	linguished by Signatures 3.26-25 Time 3.26-25				Received by: (Signature	2.1	Date 3-	26.25	Time							on i	ce:	Lab U	se Only N			
Luna	elinquished by: (% portuge)  Lichard Joneans 3-26-25 21:			2130	Received by: (Signature	lie	3.	21.25	_	30	)		<u>T1                                    </u>						<u>T3</u>			
Relinquishe	Relinquished by: (Signature) Date Time			Time	Received by: (Signature	e)	Date		Time							np °C		1				
	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other								tainer Ty						-		-					
						other arrangements are made										e clier	t expe	ense. T	he report	for the anal	ysis of the	above





	Clie	nt Inform	ation			Invoice Info	ormation				La	b Us	e On	ly				TAT				Stat	e	
Client: Matador Project: Big Bucks FED COM 501H Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy							Lab.	Lab, WO# Job Nu E503223 2300					mber 1D 2D			D 3	3D Std X		NM CO		TX			
				-	City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055			-		_	_	Δna	lycic	and	Met	hod			Т	FD	PA Program			
	e, Zip: Carls					Email: agiovengo@e			_				Alla	1 9 3 1 3	anu	IVICE	III	1		SD	WA	CWA	RCR	RA
	575-988-005		JOZZO			Miscellaneous:	isolum.com													50			1.0.	32.5
	giovengo@e		om			mocenaneous.			1 1	LC.	2									Con	nplianc	e Y	or	N
										by 8015	/ 801	-		0.0	-	×	sis			PW	SID#			
				Samp	ole Inform	ation		_		RO b	RO b	/ 802	826(	e 300	N.	05 - T	Met							
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Filter	Lab	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	1				Remark	S	
303	3/25/2025	S	1	FS	66 -	0'			11						х									
0928	3/25/2025	S	1	FS	67	- 0'		1	12						Х									
252	3/25/2025	S	1	FS.	69	-01		1	13						Х									
1250	3/25/2025	S	1	FS'	70	-0'			14						Х									
0927	3/25/2025	S	1	FS;	zl	-0'	1/2		15						X									
0946		S	1	FS	72	-0'			16						Х									
0922	3/25/2025	S	1	F57	74	-0'			17						Х									
0918	3/25/2025	S	1	FS7	15	-0'		1	18						Х									
0947	3/25/2025	S	1	F57	26	-0'		-	19						X									
0918	3/25/2025	S	1	FS7	7	-0'			20						X									
Addition	al Instructio	ns: Plea	se CC: agi	iovengo@	ensolum	.com, chamilton@enso	lum.com, iestre	lla(	@ensoli	um.c	om,	bsim	mon	s@e	nsolu	ım.c	om, jg	onza	lez@e	nsolu	ım.cor	n		
	oler), attest to the				e. I am aware	e that tampering with or intention	nally mislabeling the s	amp	ole location	, date	or time	ė of co	llectio	n is co	nsidere	d frau	d and ma	y be g	rounds f	or legal	l action.	on ice the d but less tha		
	ed by: (Signatur		Date	7675	Time	Received by: Signature	ongales 3.	e -7	6-26	Time	ab					es requ	iring thern ceived par	nal pres	ervation r ce at an a	nust be vg temp	received of above 0	on ice the d but less tha	ay they are n 6 °C on	
Moquish (ic)	ed by (signatur	e) onzale	Date		Time 1530	Received by (Signature	Jonealy Date	e 5 - 7	26-25	Time	730				Rece	eived	on ice	: /	Lab U	lse O N	nly			
Lich	ed by: (Signatur	eveales	Date		Time Z130	Received by: (Signature	Date 3.	2	1.25	Time	30				T1			I	2			Т3		
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	rix: <b>S</b> - Soil, <b>Sd</b> - S								iner Typ						c, ag	aml	er glas	s, v -	VOA					
						ther arrangements are made										clier	nt expen	se. Th	e repor	t for th	he analy	sis of the	e above	
amples is	applicable only	to those sa	impies recei	ived by the	laboratory v	with this COC. The liability of	the laboratory is lin	inte	a to the a	mour	r baid	TIOL	in the	repoi										



Printed: 3/27/2025 8:13:40AM

#### **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:	03/27/25 07:30		Work Order ID: E503223
			03/26/25 15:37		
Phone: Email:	(972) 371-5200 agiovengo@ensolum.com	Date Logged In: Due Date:	03/26/25 15:37	(A day TAT)	Logged In By: Noe Soto
Ellian.	agiovengo@ensoium.com	Due Date.	04/02/23 17.00	(4 day 1A1)	
Chain of (	Custody (COC)				
1. Does the	e sample ID match the COC?		Yes		
	e number of samples per sampling site location ma	tch the COC	Yes		
3. Were sa	mples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was the	COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	<u> </u>	
	I samples received within holding time?	·	Yes		
	Note: Analysis, such as pH which should be conducted in				Comments/Resolution
C1- T	i.e, 15 minute hold time, are not included in this disucssi	on.			Comments/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Project Big Bucks Fed Com 501H has been
	•		105		separated into multiple WOs due to sample
Sample C	ample cooler received?		Yes		1
	vas cooler received in good condition?		Yes		volume, WOs are E503223 and E503224.
• /	sample(s) received intact, i.e., not broken?				
			Yes		
	custody/security seals present?		No		
• •	were custody/security seals intact?		NA		
	sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes		
13. If no v	isible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>		
Sample C					
_	ueous 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?	9	NA		
	on-VOC samples collected in the correct containers		Yes		
	ppropriate volume/weight or number of sample contain	ners conected?	Yes		
Field Lab	<u>eı                                    </u>	·····otion			
	mple ID?	offication.	Yes		
	nte/Time Collected?		Yes		
Co	ollectors name?		Yes		
Sample P	<u>reservation</u>				
21. Does t	he COC or field labels indicate the samples were p	reserved?	No		
	mple(s) correctly preserved?		NA		
24. Is lab 1	filtration required and/or requested for dissolved m	etals?	No		
Multiphas	se Sample Matrix				
26. Does t	he 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		
Subcontra	act Laboratory				
28. Are sa	mples required to get sent to a subcontract laborato	ry?	No		
	subcontract laboratory specified by the client and i	-	NA Sub-	contract Lab	b: NA
Client In	struction				
<u> </u>					
<u></u>					

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: Big Bucks Fed Com 501H

Work Order: E503224

Job Number: 23003-0002

Received: 3/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/3/25

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

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

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

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

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

Date Reported: 4/3/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E503224

Date Received: 3/27/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2025 7:30:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

ſ	Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Donoutoda
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/03/25 12:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS78 - 0'	E503224-01A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS80 - 0'	E503224-02A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS82 - 0'	E503224-03A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS83 - 0'	E503224-04A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS84 - 0'	E503224-05A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS95 - 0'	E503224-06A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS96 - 0'	E503224-07A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS97 - 0'	E503224-08A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS99 - 0'	E503224-09A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS101 - 0'	E503224-10A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS106 - 0'	E503224-11A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS107 - 0'	E503224-12A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS108 - 0'	E503224-13A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS109 - 0'	E503224-14A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS110 - 0'	E503224-15A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS111 - 0'	E503224-16A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS112 - 0'	E503224-17A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS113 - 0'	E503224-18A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.
FS193 - 0'	E503224-19A	Soil	03/25/25	03/27/25	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS78 - 0' E503224-01

		E503224-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513083
Benzene	ND	0.0500	2	03/27/25	04/02/25	
Ethylbenzene	ND	0.0500	2	03/27/25	04/02/25	
Toluene	ND	0.0500	2	03/27/25	04/02/25	
p-Xylene	ND	0.0500	2	03/27/25	04/02/25	
o,m-Xylene	ND	0.100	2	03/27/25	04/02/25	
Total Xylenes	ND	0.0500	2	03/27/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	03/27/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	40.0	2	03/27/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	03/27/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	340	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	437	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		105 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2513086
Chloride	5530	100	5	03/27/25	03/27/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS80 - 0' E503224-02

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0500	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
	95.9 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
ND	20.0	1	03/27/25	03/28/25	
	81.5 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
433	25.0	1	03/27/25	03/27/25	
683	50.0	1	03/27/25	03/27/25	
	103 %	61-141	03/27/25	03/27/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
4880	40.0	2	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg A33 683	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         20.0250           81.5 %         mg/kg           mg/kg         mg/kg           433         25.0           683         50.0           103 %         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           mg/kg         mg/kg         Anal           ND         20.0         1           81.5 %         70-130           mg/kg         mg/kg         Anal           433         25.0         1           683         50.0         1           103 %         61-141         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: AF           433         25.0         1         03/27/25           683         50.0         1         03/27/25           mg/kg         Mg/kg         Analyst: AF	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AF           433         25.0         1         03/27/25         03/27/25           683         50.0         1         03/27/25         03/27/25           mg/kg         mg/kg         Analyst: AF



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

FS82 - 0' E503224-03

		E303224-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	419	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	207	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		105 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2513086
Chloride	7460	100	5	03/27/25	03/27/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS83 - 0' E503224-04

		E303224-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	339	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	369	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		114 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
Chloride	2590	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS84 - 0' E503224-05

		E303224-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	217	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	217	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		126 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2513086
Chloride	5910	100	5	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

FS95 - 0' E503224-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.3 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	338	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	450	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		132 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
Chloride	2120	40.0	2	03/27/25	03/27/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS96 - 0' E503224-07

		E303224-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	349	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	305	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		127 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2513086
Chloride	4890	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

FS97 - 0' E503224-08

		200221.00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	519	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	411	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		127 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: AK		Batch: 2513086
Chloride	4140	40.0	2	03/27/25	03/27/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

FS99 - 0' E503224-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	04/02/25	
Ethylbenzene	ND	0.0250	1	03/27/25	04/02/25	
Toluene	ND	0.0250	1	03/27/25	04/02/25	
o-Xylene	ND	0.0250	1	03/27/25	04/02/25	
p,m-Xylene	ND	0.0500	1	03/27/25	04/02/25	
Total Xylenes	ND	0.0250	1	03/27/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	03/27/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.2 %	70-130	03/27/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	289	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	605	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		131 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
Chloride	3040	40.0	2	03/27/25	03/27/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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FS101 - 0' E503224-10

		1505224 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
o,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	413	25.0	1	03/27/25	03/27/25	
Oil Range Organics (C28-C36)	875	50.0	1	03/27/25	03/27/25	
Surrogate: n-Nonane		134 %	61-141	03/27/25	03/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: AK		Batch: 2513086
Chloride	2740	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS106 - 0' E503224-11

	E303224-11				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0500	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
	95.0 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2513083
ND	20.0	1	03/27/25	03/28/25	
	84.7 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
394	25.0	1	03/27/25	03/27/25	
580	50.0	1	03/27/25	03/27/25	
	106 %	61-141	03/27/25	03/27/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
3440	40.0	2	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND Mg/kg ND mg/kg 394 580	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           mg/kg         mg/kg           mg/kg         mg/kg           mg/kg         mg/kg           394         25.0           580         50.0           106 %         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         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MB/kg         mg/kg         Anal           ND         20.0         1           84.7 %         70-130           mg/kg         mg/kg         Anal           394         25.0         1           580         50.0         1           106 %         61-141         1           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Manalyst: SL           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         Mg/kg         Analyst: SL           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: AF           394         25.0         1         03/27/25           580         50.0         1         03/27/25           mg/kg         61-141         03/27/25           mg/kg         Mg/kg         Analyst: AK	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           MD         0.0250         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: SL         ND         03/28/25           MD         20.0         1         03/27/25         03/28/25           Mg/kg         mg/kg         Analyst: AF         03/27/25         03/28/25           Mg/kg         mg/kg         Analyst: AF         03/27/25         03/27/25         03/27/25           580         50.0         1         03/27/25         03/27/25         03/27/25           mg/kg         mg/kg



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

FS107 - 0' E503224-12

		200022112				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
o,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	243	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	306	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		106 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2513086
Chloride	4060	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS108 - 0' E503224-13

	E303224-13				
Result	Reporting Limit		on Prepared	Analyzed	Notes
mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2513083
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0500	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
	92.3 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2513083
ND	20.0	1	03/27/25	03/28/25	
	83.8 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Aı	nalyst: AF		Batch: 2513077
710	25.0	1	03/27/25	03/28/25	
516	50.0	1	03/27/25	03/28/25	
	99.4 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Aı	nalyst: AK		Batch: 2513086
2710	40.0	2	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND The state of the	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           83.8 %         mg/kg           mg/kg         mg/kg           710         25.0           516         50.0           99.4 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         A           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           92.3 %         70-130         70-130           mg/kg         mg/kg         A           ND         20.0         1           83.8 %         70-130         70-130           mg/kg         mg/kg         A           710         25.0         1           516         50.0         1           99.4 %         61-141         61-141           mg/kg         mg/kg         A	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           MD         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: AF           710         25.0         1         03/27/25           516         50.0         1         03/27/25           mg/kg         Mg/kg         Analyst: AF	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AF           710         25.0         1         03/27/25         03/28/25           516         50.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AF



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS109 - 0' E503224-14

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	yst: SL		Batch: 2513083
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
ND	0.0500	1	03/27/25	03/28/25	
ND	0.0250	1	03/27/25	03/28/25	
	92.1 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	yst: SL		Batch: 2513083
ND	20.0	1	03/27/25	03/28/25	
	85.3 %	70-130	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	yst: AF		Batch: 2513077
487	25.0	1	03/27/25	03/28/25	
550	50.0	1	03/27/25	03/28/25	
	104 %	61-141	03/27/25	03/28/25	
mg/kg	mg/kg	Ana	yst: AK		Batch: 2513086
2090	20.0	1	03/27/25	03/27/25	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 487 550	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         20.0250           85.3 %         mg/kg           mg/kg         mg/kg           487         25.0           550         50.0           104 %         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           mg/kg         mg/kg         Anal           ND         20.0         1           85.3 %         70-130           mg/kg         mg/kg         Anal           487         25.0         1           550         50.0         1           104 %         61-141         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0500         1         03/27/25           ND         0.0250         1         03/27/25           ND         0.0250         1         03/27/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/27/25           mg/kg         mg/kg         Analyst: AF           487         25.0         1         03/27/25           550         50.0         1         03/27/25           mg/kg         Mg/kg         Analyst: AF	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/27/25         03/28/25           ND         0.0500         1         03/27/25         03/28/25           ND         0.0250         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AF           487         25.0         1         03/27/25         03/28/25           550         50.0         1         03/27/25         03/28/25           mg/kg         mg/kg         Analyst: AF



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS110 - 0' E503224-15

		E303224-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	184	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	285	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		103 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
Chloride	7090	100	5	03/27/25	03/27/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS111 - 0' E503224-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	119	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	145	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		106 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
Chloride	3630	40.0	2	03/27/25	03/27/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS112 - 0' E503224-17

		E303224-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.1 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	106	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	109	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		105 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513086
Chloride	1440	20.0	1	03/27/25	03/27/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS113 - 0' E503224-18

		E303224-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
o,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	170	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	232	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		108 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: AK		Batch: 2513086
Chloride	3880	40.0	2	03/27/25	03/27/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:59PM

#### FS193 - 0' E503224-19

		E303224-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513083
Benzene	ND	0.0250	1	03/27/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/27/25	03/28/25	
Toluene	ND	0.0250	1	03/27/25	03/28/25	
o-Xylene	ND	0.0250	1	03/27/25	03/28/25	
o,m-Xylene	ND	0.0500	1	03/27/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/27/25	03/28/25	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513083
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/25	03/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	03/27/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2513077
Diesel Range Organics (C10-C28)	151	25.0	1	03/27/25	03/28/25	
Oil Range Organics (C28-C36)	133	50.0	1	03/27/25	03/28/25	
Surrogate: n-Nonane		110 %	61-141	03/27/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	Analyst: AK		Batch: 2513086
Chloride	1280	20.0	1	03/27/25	03/27/25	



#### **QC Summary Data**

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/3/2025 12:03:59PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2513083-BLK1) Prepared: 03/27/25 Analyzed: 03/27/25 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 7.60 8.00 95.0 70-130 LCS (2513083-BS1) Prepared: 03/27/25 Analyzed: 04/02/25 5.23 105 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.24 0.0250 5.00 105 70-130 5.31 0.0250 5.00 106 70-130 Toluene 5.25 o-Xylene 0.0250 5.00 105 70-130 10.6 10.0 70-130 0.0500 p.m-Xvlene 106 70-130 15.9 15.0 Total Xylenes 0.0250 8.00 95.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.61 Matrix Spike (2513083-MS1) Source: E503224-09 Prepared: 03/27/25 Analyzed: 04/02/25 5.24 0.0250 5.00 ND 70-130 Benzene ND 105 70-130 Ethylbenzene 5.23 0.0250 5.00 Toluene 5.31 0.0250 5.00 ND 106 70-130 5.22 ND 104 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.6 0.0500 10.0 ND 106 70-130 15.8 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.61 8.00 Matrix Spike Dup (2513083-MSD1) Source: E503224-09 Prepared: 03/27/25 Analyzed: 04/02/25 5.77 0.0250 5.00 ND 115 70-130 9.59 27 70-130 5.50 0.0250 5.00 ND 110 5.04 26 Ethylbenzene Toluene 5.67 0.0250 5.00 ND 113 70-130 6.58 20 5.45 5.00 ND 109 70-130 4.44 25 o-Xylene 0.0250 23 11.1 10.0 ND 111 70-130 5.00 p,m-Xylene 0.0500



16.6

7.70

0.0250

15.0

8.00

ND

111

96.3

70-130

70-130

4.81

26

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

44.8

7.01

20.0

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:59PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			4	/3/2025 12:03:59PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2513083-BLK1)							Prepared: 0	3/27/25 Ana	alyzed: 03/27/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130			
LCS (2513083-BS2)							Prepared: 0	3/27/25 Ana	lyzed: 03/28/25
Gasoline Range Organics (C6-C10)	35.8	20.0	50.0		71.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			
Matrix Spike (2513083-MS2)				Source:	E503224-	09	Prepared: 0	3/27/25 Ana	lyzed: 03/28/25
Gasoline Range Organics (C6-C10)	38.5	20.0	50.0	ND	77.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			
Matrix Spike Dup (2513083-MSD2)				Source:	E503224-	09	Prepared: 0	3/27/25 Ana	lyzed: 04/02/25

50.0

8.00

ND

89.6

87.6

15.2

70-130

70-130

20

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:59PM

Dullus 171, 732 10		r roject ivianage.	. 715	iney Groveng	-				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			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 (2513077-BLK1)							Prepared: 0	3/27/25 An	alyzed: 03/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.8		50.0		104	61-141			
LCS (2513077-BS1)							Prepared: 0	3/27/25 An	alyzed: 03/27/25
Diesel Range Organics (C10-C28)	264	25.0	250		105	66-144			
Surrogate: n-Nonane	52.8		50.0		106	61-141			
Matrix Spike (2513077-MS1)				Source:	E503224-	17	Prepared: 0	3/27/25 An	alyzed: 03/27/25
Diesel Range Organics (C10-C28)	372	25.0	250	106	106	56-156			
Surrogate: n-Nonane	50.0		50.0		99.9	61-141			
Matrix Spike Dup (2513077-MSD1)				Source:	E503224-	17	Prepared: 0	3/27/25 An	alyzed: 03/27/25
Diesel Range Organics (C10-C28)	367	25.0	250	106	104	56-156	1.55	20	
Surrogate: n-Nonane	51.9		50.0		104	61-141			

Chloride

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Big Bucks Fed ( 3003-0002 Ashley Gioveng					<b>Reported:</b> 4/3/2025 12:03:59PM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2513086-BLK1)							Prepared: 0	3/27/25 A	nalyzed: 03/27/25
Chloride	ND	20.0							
LCS (2513086-BS1)							Prepared: 0	3/27/25 A	nalyzed: 03/27/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2513086-MS1)				Source:	E503224-0	03	Prepared: 0	3/27/25 A	nalyzed: 03/27/25
Chloride	7310	100	250	7460	NR	80-120			M4
Matrix Snike Dun (2513086-MSD1)				Source	E503224-0	03	Prepared: 0	3/27/25 A	nalvzed: 03/27/25

250

100

80-120

NR

6850

#### 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:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/03/25 12:03

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.

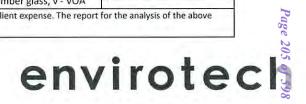


Released to Imaging: 7/14/2025 3:02:16 PM

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Client Information			Invoice Info	rmation			La	b Us	e On	ly				TAT			State				
Client: Ma	atador				Company: Ensolum LLC		_ Lab	WO#	‡		dol	Num	ber		1D	2D	3D !	Std	NM	CO UT	ГТХ
Project: B	ig Bucks FED	COM 5	01H		Address: 3122 National Parks Hwy					E503224 23							)	X	X		
Project M	lanager: Ash	ley Giov	engo		City, State, Zip: Carlsbac	d NM, 88220								1							
	3122 Nation				Phone: 575-988-0055						Ana	lysis	and N	/leth	od				EF	A Progr	ram
City, State	e, Zip: Carlsl	ad NM,	88220		Email: agiovengo@en	solum.com													SDWA	CWA	RCRA
	75-988-0055				Miscellaneous:													- 9			
	iovengo@ei		om		1			LS.	S								- 1	1	Complian	ce Y	or I
								801	801			0		2	us.			1	PWSID#		
				Sample Inf	ormation			to by	O by	802	8260	300	NN.	15 - TX	Meta						
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Iumber	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8 Metals					Remark	.S
0973	3/25/2025	S	1	FS 78	, -0,		1		1				Х								
1248	3/25/2025	S	1	F580	- 0'		Z						х								
0970	3/25/2025	S	1	FS 82	-0'		3						х								
1244	3/25/2025	S	1	F583	-0'		4						Х								
1242	3/25/2025	S	1	F584	- 0'		5						Х								
1319	3/25/2025	S	1	FS:95	- 0'		6						Х								
1319	3/25/2025	S	1	F596	- D'		7			1			X								
1320	3/25/2025	S	1	FS97	- 0'		8						Х								
1315	3/25/2025	S	1	F599	- 0'		9						х								
1321	13/25/2025	S	1	F5101	- 0'	5.	0						х								
Addition	al Instructio	ns: Ple	ase CC: ag	giovengo@enso	lum.com, chamilton@ensol	um.com, iestrella	@ensol	um.c	om,	bsim	mon	s@e	nsolu	m.co	m, j	gonz	alez(	@ens	solum.co	m	
I, (field samp	ler), attest to the	validity and	authenticity	of this sample. I am	aware that tampering with or intention	ally mislabeling the samp	le location	n, date	or tim	e of co	llectio	n is co	nsidered	l fraud	and m	nay be	groun	ds for	legal action.		
	ed by: (Signatur				Received by: (Signature)	Date	1 4 5	Time					Samples	requiri	ing the	rmal pr	eservati	ion mu	st be received	on ice the d	
1	1/10		3	-26.25 Time	Michelle Go	marles 3-26	-25	11	00				sampled			acked i	n ice at	an avg	temp above (	but less tha	ın 6 °C on
Relinguishe	ed by (Signatur	e) _ /	Date	Time	Downtwood by (Cianatura)	1 Date		Time					SHIDSPOH	PIL UA	V		La	b Us	e Only		-30-0
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Client Information						Invoice Information					Lal	b Us	e On	Lab Use Only								State	•	
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	3122 Natio							<u> </u>		Г				Ana	lysis	-nd	NA o t l	had			1	E0	A Progra	<del></del>
						Phone: 575-988-0055				⊢				Апа	IYSIS	ano	ivieti	nou						
	, Zip: Carls		88220			Email: agiovengo	<u>@ensolum.com</u>			ı	- 1									İ		SDWA	CWA	RCRA
	<u>75-988-005!</u>					Miscellaneous:			- 1		ı						ļ							
Email: ag	iovengo@e	nsolum.c	om							- 1	55	8015	- 1		l							Complian	ce Y	or N
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				Sam	ple Inforr	mation					ğ	ğ	8	826	유	Ž	8	Metals						
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numb	ber	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8					Remarks	
1317	3/25/2025	S	1	FS	106	-01			FI	7						X							_	
1315	3/25/2025	S	1	FS	107	- 01			12							Х								
1321	3/25/2025	S	1	FS	5108	- O'			13	•						X								
1323	3/25/2025	S	1	FS	109	-0'			14							X								
1252	3/25/2025	S	1	FS	110	-01			15	1						X								
1250	3/25/2025	S	1	FS	lll	- 51			10	,						X								
1255	3/25/2025	S	1	FSI	112	- 01			67	'						X								
1257	3/25/2025	S	1	FS	113	- 01	1		18							X								
1259	3/25/2025	S	1	FSI	193	- 01	•		19							х								
									20	7														
Additiona	I Instructio	ns: Plea	ase CC: a	giovengo(	@ensolur	n.com, chamilton@e	nsolum.com, ie	strel	a@en	solu	ım.c	om, t	osim	mon	s@e	nsolu	ım.c	om, j	gon	zalez	@en	solum.co	m	
I, (field sampl Sampled by: _	er), attest to the Higinio Go	validity and	authenticit bakar Kone	y of this samp	le. Iamawa WE A	re that tampering with or into	entionally mislabeling	the sa	mple loca	ation,	date o	or time	of co	llection	is cor	sidere	d frau	d and	may b	e grou	nds for	legal action.	,	-
Relinquished	d by: (Signatur	(e)	Date 3	ZG-25	Time	Florived by: Higha	Gonzales	Date 3-	26-2	25	Time	ر مر				sample		ceived				ust be received g temp above 0		
Mich	elle Go	nzale	S Date	26-25	Time 1537	Received by: (Signature)	(tuge)		-26 · 2	- 1	Time 15						eived		ce:		ab Üs 7/ N	se Only		
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Sample Matri	x: <b>S</b> - Soil, <b>Sd</b> - So	olid, Sg - Sluc	dge, A - Aqu	eous, O - Othe	er			Con	tainer	Type	: <b>g</b> - (	glass,	<b>p</b> - p	oly/p	lasti					v - VC	Α			
-	ote: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above imples 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.																							



nt expense. The report for the analysis of the above

Printed: 3/27/2025 8:15:31AM

#### **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:	03/27/25	07:30	Work Order ID:	E503224
Phone: (972) 371-5200	Date Logged In:	03/26/25	15:40	Logged In By:	Noe Soto
Email: agiovengo@ensolum.com	Due Date:		17:00 (4 day TAT)	_08800 m	
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
<ol> <li>Does the number of samples per sampling site location mate</li> </ol>	ch the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: C	Sannian	
4. Was the COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: C	<u>courier</u>	
5. Were all samples received within holding time?	ted analyses.	Yes			
Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		103		Commen	ts/Resolution
Sample Turn Around Time (TAT)				n ' (n' n 1 m 1	C 50111 1
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes		Project Big Bucks Fed	
Sample Cooler				separated into multiple	WOs due to sample
7. Was a sample cooler received?		Yes		volume, WOs are E503	223 and E503224.
8. If yes, was cooler received in good condition?		Yes		,	
9. Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No	l		
11. If yes, were custody/security seals intact?		NA			
12. Was the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no visible ice, record the temperature. Actual sample	temperature: 4°	С			
Sample Container	<u> </u>				
14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA Vials?		NA			
16. Is the head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a trip blank (TB) included for VOC analyses?		NA			
18. Are non-VOC samples collected in the correct containers?		Yes			
19. Is the appropriate volume/weight or number of sample contain	ers collected?	Yes			
Field Label					
20. Were field sample labels filled out with the minimum information Sample ID?	rmation:	Yes			
Date/Time Collected?		Yes	ı		
Collectors name?		Yes			
Sample Preservation					
21. Does the COC or field labels indicate the samples were pro-	eserved?	No			
22. Are sample(s) correctly preserved?		NA			
24. Is lab filtration required and/or requested for dissolved me	tals?	No			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., multiphas	se?	No			
27. If yes, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract laborator	w?	No			
29. Was a subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	: NA	
Client Instruction					
Signature of client authorizing changes to the COC or sample disp	oosition.			Date	envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: Big Bucks Fed Com 501H

Work Order: E503236

Job Number: 23003-0002

Received: 3/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/3/25

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

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

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

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

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

Date Reported: 4/3/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E503236

Date Received: 3/28/2025 4:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/28/2025 4:00:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/03/25 12:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS142-0'	E503236-01A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS143-0'	E503236-02A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS145-0'	E503236-03A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS146-0'	E503236-04A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS147-0'	E503236-05A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS148-0'	E503236-06A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS149-0'	E503236-07A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS150-0'	E503236-08A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS151-0'	E503236-09A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS152-0'	E503236-10A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS153-0'	E503236-11A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS154-0'	E503236-12A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS157-0'	E503236-13A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS158-0'	E503236-14A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS161-0'	E503236-15A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS163-0'	E503236-16A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS164-0'	E503236-17A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS165-0'	E503236-18A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS166-0'	E503236-19A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS168-0'	E503236-20A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 12:03:17PM

#### FS142-0' E503236-01

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	SL		Batch: 2513091
ND	0.0250		1	03/28/25	03/28/25	
ND	0.0250		1	03/28/25	03/28/25	
ND	0.0250		1	03/28/25	03/28/25	
ND	0.0250		1	03/28/25	03/28/25	
ND	0.0500		1	03/28/25	03/28/25	
ND	0.0250		1	03/28/25	03/28/25	
	103 %	70-130		03/28/25	03/28/25	
	101 %	70-130		03/28/25	03/28/25	
	106 %	70-130		03/28/25	03/28/25	
mg/kg	mg/kg		Analyst: SL			Batch: 2513091
ND	20.0		1	03/28/25	03/28/25	
	103 %	70-130		03/28/25	03/28/25	
	101 %	<b>50.130</b>				
	101 %	70-130		03/28/25	03/28/25	
	101 %	70-130 70-130		03/28/25 03/28/25	03/28/25 03/28/25	
mg/kg			Analyst:	03/28/25		Batch: 2513093
mg/kg 624	106 %	70-130	Analyst:	03/28/25		Batch: 2513093
	106 % mg/kg	70-130		03/28/25 KH	03/28/25	Batch: 2513093
624	106 % mg/kg 50.0	70-130	2	03/28/25 KH 03/28/25	03/28/25	Batch: 2513093
624	106 % mg/kg 50.0 100	70-130	2	03/28/25 KH 03/28/25 03/28/25	03/28/25 03/29/25 03/29/25	Batch: 2513093  Batch: 2513094
	mg/kg  ND  ND  ND  ND  ND  ND  ND  MD  MD  MD	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           IOI %         101 %           106 %         mg/kg           ND         20.0           103 %	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           103 %         70-130           106 %         70-130           mg/kg         mg/kg           ND         20.0           103 %         70-130	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         70-130         101%           101%         70-130           106%         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0500         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           103 %         70-130         03/28/25           101 %         70-130         03/28/25           106 %         70-130         03/28/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25         03/28/25           ND         0.0500         1         03/28/25         03/28/25           ND         0.0250         1         03/28/25         03/28/25           103 %         70-130         03/28/25         03/28/25           106 %         70-130         03/28/25         03/28/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25         03/28/25



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS143-0' E503236-02

		1000100 01				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2513091
Benzene	ND	0.0250	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2513093
Diesel Range Organics (C10-C28)	336	25.0	1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	249	50.0	1	03/28/25	03/29/25	
Surrogate: n-Nonane		92.8 %	61-141	03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2513094
Chloride	2320	20.0	1	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS145-0' E503236-03

		10001000					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL	<u> </u>	Batch: 2513091
Benzene	ND	0.0250		1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250		1	03/28/25	03/28/25	
Toluene	ND	0.0250		1	03/28/25	03/28/25	
o-Xylene	ND	0.0250		1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500		1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250		1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KH		Batch: 2513093
Diesel Range Organics (C10-C28)	92.4	25.0		1	03/28/25	04/01/25	
Oil Range Organics (C28-C36)	101	50.0		1	03/28/25	04/01/25	
Surrogate: n-Nonane		94.0 %	61-141		03/28/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2513094
Chloride	4670	40.0		2	03/28/25	03/28/25	_

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS146-0' E503236-04

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg		1	Analyst: SL			Batch: 2513091
Benzene	ND	0.0250	1		03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1		03/28/25	03/28/25	
Toluene	ND	0.0250	1		03/28/25	03/28/25	
o-Xylene	ND	0.0250	1		03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1		03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1		03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: SL			Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KH			Batch: 2513093
Diesel Range Organics (C10-C28)	71.2	25.0	1		03/28/25	04/01/25	
Oil Range Organics (C28-C36)	91.7	50.0	1	[	03/28/25	04/01/25	
Surrogate: n-Nonane		91.5 %	61-141		03/28/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: JM			Batch: 2513094
Chloride	3840	40.0	2	2	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS147-0' E503236-05

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: SL		Batch: 2513091
Benzene	ND	0.0250	:	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250		1	03/28/25	03/28/25	
Toluene	ND	0.0250		1	03/28/25	03/28/25	
o-Xylene	ND	0.0250		1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500		1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	į	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KH		Batch: 2513093
Diesel Range Organics (C10-C28)	156	25.0		1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	108	50.0		1	03/28/25	03/29/25	
Surrogate: n-Nonane		81.3 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2513094
Chloride	3130	40.0		2	03/28/25	03/28/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS148-0' E503236-06

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst:	SL		Batch: 2513091
Benzene	ND	0.0250	1		03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1		03/28/25	03/28/25	
Toluene	ND	0.0250	1		03/28/25	03/28/25	
o-Xylene	ND	0.0250	1		03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1		03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1		03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		105 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst:	SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		105 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst:	KH		Batch: 2513093
Diesel Range Organics (C10-C28)	126	25.0	1		03/28/25	04/01/25	
Oil Range Organics (C28-C36)	128	50.0	1		03/28/25	04/01/25	
Surrogate: n-Nonane		91.1 %	61-141		03/28/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst:	JM		Batch: 2513094
<del></del>	3430	40.0	2		03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS149-0' E503236-07

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2513091
Benzene	ND	0.0250	1	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2513093
Diesel Range Organics (C10-C28)	364	25.0	1	1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	310	50.0	1	1	03/28/25	03/29/25	
Surrogate: n-Nonane		92.9 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2513094
Chloride	8000	100	-	5	03/28/25	03/28/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS150-0' E503236-08

Result	Reporting Limit		tion	Prepared	Analyzed	Notes
mg/kg	mg/kg	A	Analyst: SL		·	Batch: 2513091
ND	0.0250	1		03/28/25	03/28/25	
ND	0.0250	1		03/28/25	03/28/25	
ND	0.0250	1		03/28/25	03/28/25	
ND	0.0250	1		03/28/25	03/28/25	
ND	0.0500	1		03/28/25	03/28/25	
ND	0.0250	1		03/28/25	03/28/25	
	102 %	70-130		03/28/25	03/28/25	
	95.9 %	70-130		03/28/25	03/28/25	
	106 %	70-130		03/28/25	03/28/25	
mg/kg	mg/kg	A	Analyst: SL			Batch: 2513091
ND	20.0	1		03/28/25	03/28/25	
	102 %	70-130		03/28/25	03/28/25	
	95.9 %	70-130		03/28/25	03/28/25	
	106 %	70-130		03/28/25	03/28/25	
mg/kg	mg/kg	A	Analyst: KH	I		Batch: 2513093
47.4	25.0	1		03/28/25	04/01/25	_
73.0	50.0	1		03/28/25	04/01/25	
	85.8 %	61-141		03/28/25	04/01/25	
mg/kg	mg/kg	A	Analyst: JM			Batch: 2513094
3390	40.0	2		03/28/25	03/28/25	
	mg/kg ND Mg/kg ND  mg/kg 47.4 73.0	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO2 %         95.9 %           106 %         106 %           mg/kg         mg/kg           ND         20.0           102 %         95.9 %           106 %         106 %           mg/kg         mg/kg           47.4         25.0           73.0         50.0           85.8 %         mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           102 %         70-130           95.9 %         70-130           106 %         70-130           mg/kg         mg/kg           ND         20.0         1           102 %         70-130           95.9 %         70-130           106 %         70-130           mg/kg         mg/kg           47.4         25.0         1           73.0         50.0         1           85.8 %         61-141         61-141           mg/kg         mg/kg         61-141	Result         Limit         Dilution           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130         1           95.9 %         70-130         70-130           mg/kg         mg/kg         Analyst: SL           ND         20.0         1           102 %         70-130         70-130           mg/kg         mg/kg         Analyst: SL           47.4         25.0         1           73.0         50.0         1           85.8 %         61-141           mg/kg         Analyst: JM	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0500         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           95.9 %         70-130         03/28/25           106 %         70-130         03/28/25           mg/kg         mg/kg         Analyst: SL           MD         20.0         1         03/28/25           102 %         70-130         03/28/25           95.9 %         70-130         03/28/25           106 %         70-130         03/28/25           106 %         70-130         03/28/25           mg/kg         mg/kg         Analyst: KH           47.4         25.0         1         03/28/25           73.0         50.0         1         03/28/25	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25         03/28/25           ND         0.0500         1         03/28/25         03/28/25           ND         0.0250         1         03/28/25         03/28/25           ND         0.0250         1         03/28/25         03/28/25           ND         0.0250         1         03/28/25         03/28/25           95.9 %         70-130         03/28/25         03/28/25           95.9 %         70-130         03/28/25         03/28/25           mg/kg         mg/kg         Analyst: SL           102 %         70-130         03/28/25         03/28/25           95.9 %         70-130         03/28/25         03/28/25           106 %         70-130         03/28/25         03/28/25           106 %         70-

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS151-0' E503236-09

		E303230-07					
Analyte	Result	Reporting Limit	Dilu	ıti.a.ı	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilu	luon	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2513091
Benzene	ND	0.0250	1	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	l	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S	SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: k	КН		Batch: 2513093
Diesel Range Organics (C10-C28)	34.0	25.0	1	1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	60.4	50.0	1	1	03/28/25	03/29/25	
Surrogate: n-Nonane		93.2 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: J	М		Batch: 2513094
Chloride	551	20.0	1	1	03/28/25	03/28/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS152-0' E503236-10

		2002200 10					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SI			Batch: 2513091
Benzene	ND	0.0250	1		03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1		03/28/25	03/28/25	
Toluene	ND	0.0250	1		03/28/25	03/28/25	
o-Xylene	ND	0.0250	1		03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1		03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1		03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL	J.		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: Kl	Н		Batch: 2513093
Diesel Range Organics (C10-C28)	313	25.0	1	l	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	173	50.0	1		03/28/25	03/29/25	
Surrogate: n-Nonane		92.6 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM	1		Batch: 2513094
Chloride	3870	40.0	2	2	03/28/25	03/28/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS153-0' E503236-11

	_	Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: SL		Batch: 2513091
Benzene	ND	0.0250	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		103 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		103 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KH		Batch: 2513093
Diesel Range Organics (C10-C28)	466	25.0	1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	265	50.0	1	03/28/25	03/29/25	
Surrogate: n-Nonane		93.4 %	61-141	03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2513094
Chloride	880	20.0	1	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS154-0' E503236-12

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst:	SL		Batch: 2513091
Benzene	ND	0.0250	1		03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1		03/28/25	03/28/25	
Toluene	ND	0.0250	1		03/28/25	03/28/25	
o-Xylene	ND	0.0250	1		03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1		03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1		03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst:	SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst:	КН		Batch: 2513093
Diesel Range Organics (C10-C28)	104	25.0	1		03/28/25	04/02/25	
Oil Range Organics (C28-C36)	95.6	50.0	1		03/28/25	04/02/25	
Surrogate: n-Nonane		93.6 %	61-141		03/28/25	04/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: .	JM		Batch: 2513094
Chloride	2330	20.0	1		03/28/25	03/28/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS157-0' E503236-13

		Reporting					
Analyte	Result	Limit	Dilut	tion 1	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL			Batch: 2513091
Benzene	ND	0.0250	1	(	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	(	03/28/25	03/28/25	
Toluene	ND	0.0250	1	(	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	(	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	(	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	(	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		103 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130	(	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL			Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	(	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		103 %	70-130	(	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	(	03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130	(	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH			Batch: 2513093
Diesel Range Organics (C10-C28)	317	25.0	1		03/28/25	03/29/25	
Oil Range Organics (C28-C36)	248	50.0	1	(	03/28/25	03/29/25	
Surrogate: n-Nonane		93.3 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM			Batch: 2513094
Chloride	5430	40.0	2		03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS158-0' E503236-14

		100020011					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2513091
Benzene	ND	0.0250		1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250		1	03/28/25	03/28/25	
Toluene	ND	0.0250		1	03/28/25	03/28/25	
o-Xylene	ND	0.0250		1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500		1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250		1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KH		Batch: 2513093
Diesel Range Organics (C10-C28)	506	25.0		1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	352	50.0		1	03/28/25	03/29/25	
Surrogate: n-Nonane		93.9 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2513094
Chloride	1830	40.0		2	03/28/25	03/28/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS161-0' E503236-15

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2513091
Benzene	ND	0.0250	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2513093
Diesel Range Organics (C10-C28)	381	25.0	1	03/28/25	04/02/25	
Oil Range Organics (C28-C36)	266	50.0	1	03/28/25	04/02/25	
Surrogate: n-Nonane		91.4 %	61-141	03/28/25	04/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2513094
Chloride	1680	20.0	1	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS163-0' E503236-16

		E303230-10					
Anglyta	Result	Reporting Limit	Dilu	ıti an	Duomonod	Analyzad	Notes
Analyte	Kesuit	Limit	Dilu	шоп	Prepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2513091
Benzene	ND	0.0250	1	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S	SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: I	КН		Batch: 2513093
Diesel Range Organics (C10-C28)	821	25.0	1	1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	472	50.0	1	1	03/28/25	03/29/25	
Surrogate: n-Nonane		93.5 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: J	M		Batch: 2513094
Chloride	415	20.0	1	1	03/28/25	03/28/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS164-0' E503236-17

	_	Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: SL		Batch: 2513091
Benzene	ND	0.0250	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	03/28/25	03/28/25	
Surrogate: Toluene-d8		108 %	70-130	03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KH		Batch: 2513093
Diesel Range Organics (C10-C28)	473	25.0	1	03/28/25	04/02/25	
Oil Range Organics (C28-C36)	418	50.0	1	03/28/25	04/02/25	
Surrogate: n-Nonane		90.3 %	61-141	03/28/25	04/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: JM		Batch: 2513094
Chloride	568	20.0	1	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS165-0' E503236-18

		1000200 10					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL	,		Batch: 2513091
Benzene	ND	0.0250	1		03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	l	03/28/25	03/28/25	
Toluene	ND	0.0250	1	l	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	l	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	[	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	l	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		101 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: SL			Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		101 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KI	H		Batch: 2513093
Diesel Range Organics (C10-C28)	420	25.0	1	1	03/28/25	04/02/25	
Oil Range Organics (C28-C36)	344	50.0	1	l	03/28/25	04/02/25	
Surrogate: n-Nonane		92.8 %	61-141		03/28/25	04/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM	ſ		Batch: 2513094
Chloride	3250	40.0	2	2	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS166-0' E503236-19

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2513091
Benzene	ND	0.0250	1	1	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1	1	03/28/25	03/28/25	
Toluene	ND	0.0250	1	1	03/28/25	03/28/25	
o-Xylene	ND	0.0250	1	1	03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1	1	03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		101 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S	SL		Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		101 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		106 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: I	KH		Batch: 2513093
Diesel Range Organics (C10-C28)	502	25.0	1	1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	314	50.0	1	1	03/28/25	03/29/25	
Surrogate: n-Nonane		94.5 %	61-141		03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: J	M		Batch: 2513094
Chloride	642	20.0	1	1	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

#### FS168-0' E503236-20

		E000200 20					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		-	Batch: 2513091
Benzene	ND	0.0250	1	<u> </u>	03/28/25	03/28/25	
Ethylbenzene	ND	0.0250	1		03/28/25	03/28/25	
Toluene	ND	0.0250	1		03/28/25	03/28/25	
o-Xylene	ND	0.0250	1		03/28/25	03/28/25	
p,m-Xylene	ND	0.0500	1		03/28/25	03/28/25	
Total Xylenes	ND	0.0250	1		03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL			Batch: 2513091
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	03/28/25	03/28/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/28/25	03/28/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/28/25	03/28/25	
Surrogate: Toluene-d8		107 %	70-130		03/28/25	03/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH	I		Batch: 2513093
Diesel Range Organics (C10-C28)	315	25.0	1		03/28/25	04/02/25	
Oil Range Organics (C28-C36)	226	50.0	1	1	03/28/25	04/02/25	
Surrogate: n-Nonane		96.5 %	61-141		03/28/25	04/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM			Batch: 2513094
Chloride	2670	40.0	2	2	03/28/25	03/28/25	



# **QC Summary Data**

Matador Resources, LLC.
Project Name: Big Bucks Fed Com 501H

Seported:

5400 LBJ Freeway, Suite 1500
Project Number: 23003-0002
Dallas TX, 75240
Project Manager: Ashley Giovengo

Volatile Organic Compounds by EPA 8260B

Analyst: SL

	V	olatile Organ	ic Compou	ınds by EF	PA 8260F	3			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 (2513091-BLK1)							Prepared: 0	3/28/25 Ar	nalyzed: 03/28/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2513091-BS1)							Prepared: 0	3/28/25 Ar	nalyzed: 03/28/25
Benzene	2.08	0.0250	2.50		83.1	70-130			
Ethylbenzene	2.16	0.0250	2.50		86.5	70-130			
Toluene	2.23	0.0250	2.50		89.3	70-130			
o-Xylene	2.27	0.0250	2.50		90.9	70-130			
p,m-Xylene	4.70	0.0500	5.00		93.9	70-130			
Total Xylenes	6.97	0.0250	7.50		92.9	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			
Matrix Spike (2513091-MS1)				Source:	E503236-0	03	Prepared: 0	3/28/25 Ar	nalyzed: 03/28/25
Benzene	2.37	0.0250	2.50	ND	95.0	48-131			
Ethylbenzene	2.48	0.0250	2.50	ND	99.0	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.55	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.32	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.88	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			
Matrix Spike Dup (2513091-MSD1)				Source:	E503236-0	03	Prepared: 0	3/28/25 Ar	nalyzed: 03/28/25
Benzene	2.42	0.0250	2.50	ND	96.9	48-131	2.04	23	
	2.55	0.0250	2.50	ND	102	45-135	3.14	27	
Ethylbenzene	2.33								
	2.55	0.0250	2.50	ND	106	48-130	3.52	24	
Ethylbenzene			2.50 2.50	ND ND	106 106	48-130 43-135	3.52 3.54	24 27	
Ethylbenzene Toluene	2.64	0.0250							
Ethylbenzene Toluene o-Xylene	2.64 2.65	0.0250 0.0250	2.50	ND	106	43-135	3.54	27	
Ethylbenzene Toluene o-Xylene p,m-Xylene	2.64 2.65 5.54	0.0250 0.0250	2.50 5.00	ND	106 111	43-135 43-135	3.54	27	



Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

# **QC Summary Data**

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: Project Number: 23003-0002 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/3/2025 12:03:17PM

Nonhalogenated	Organica	by FDA	Q015D	CDO
Nonnalogenated	Organics	DV EPA	8015D -	CKC

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 (2513091-BLK1)							Prepared: 0	3/28/25 Analy	zed: 03/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2513091-BS2)							Prepared: 0	3/28/25 Analy	zed: 03/28/25
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			
Matrix Spike (2513091-MS2)				Source:	E503236-	03	Prepared: 0	3/28/25 Analy	/zed: 03/28/25
Gasoline Range Organics (C6-C10)	57.3	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			
Matrix Spike Dup (2513091-MSD2)				Source:	E503236-0	03	Prepared: 0	3/28/25 Analy	zed: 03/28/25
Gasoline Range Organics (C6-C10)	55.4	20.0	50.0	ND	111	70-130	3.25	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			

0.500

0.500

100

108

70-130

70-130

0.500

0.541

# **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 12:03:17PM

Dallas TX, 75240		Project Manager	r: As	hley Gioveng	go				4/3/2025 12:03:1/PN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2513093-BLK1)							Prepared: 0	3/28/25 A	nalyzed: 03/29/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	45.9		50.0		91.9	61-141			
LCS (2513093-BS1)							Prepared: 0	3/28/25 A	nalyzed: 03/29/25
Diesel Range Organics (C10-C28)	233	25.0	250		93.0	66-144			
urrogate: n-Nonane	47.5		50.0		94.9	61-141			
Matrix Spike (2513093-MS1)				Source:	E503236-0	02	Prepared: 0	3/28/25 A	nalyzed: 03/29/25
Diesel Range Organics (C10-C28)	575	25.0	250	336	95.6	56-156			
urrogate: n-Nonane	47.6		50.0		95.2	61-141			
Matrix Spike Dup (2513093-MSD1)				Source:	E503236-0	02	Prepared: 0	3/28/25 A	nalyzed: 03/29/25
Diesel Range Organics (C10-C28)	573	25.0	250	336	94.9	56-156	0.321	20	
'urrogate: n-Nonane	47.2		50.0		94.5	61-141			

Matrix Spike Dup (2513094-MSD1)

Chloride

3550

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	Big Bucks Fed ( 3003-0002 Ashley Gioveng		I			<b>Reported:</b> 4/3/2025 12:03:17PM
		Anions	by EPA	300.0/9056 <i>E</i>	<b>A</b>				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2513094-BLK1)							Prepared: 0	3/28/25 An	alyzed: 03/28/25
Chloride	ND	20.0							
LCS (2513094-BS1)							Prepared: 0	3/28/25 An	alyzed: 03/28/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2513094-MS1)				Source:	E503236-	06	Prepared: 0	3/28/25 An	alyzed: 03/28/25
Chloride	3800	40.0	250	3430	149	80-120			M4

250

40.0

Source: E503236-06

48.4

80-120

6.81

3430

#### 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: 03/28/25 Analyzed: 03/28/25

20

# **Definitions and Notes**

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/03/25 12:03

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.



	Clie	nt Inforn	nation			Invoice	Information					La	b Us	e Or	ly				T	AT				Stat	e
Client: N	1atador				Con	npany: Ensolun	n LLC		La	b W	VO#			Job	Num	ber		1D	2D	3D S	Std	N	M	OUT	TX
Project:	Big Bucks FE	D COM 5	01H	l l	Add	dress: 3122 Nat	ional Parks Hwy	,				23	10	230	500	-00	07			)		X	9		
Project N	Manager: As	hley Giov	engo		City	, State, Zip: Car	Isbad NM, 8822	0														-			
Address	3122 Natio	nal Parks	Hwy		Pho	ne: 575-988-0	055							Ana	lysis	and	Met	hod					EPA	Progra	am
	te, Zip: Carls		88220		Em	ail: agiovengo	@ensolum.com															SDW	A	CWA	RCRA
Phone:	575-988-005	5			Misc	cellaneous:																			
Email: a	giovengo@e	nsolum.c	com								8015	15									_	ompl		Y	or N
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				Sample Inf	ormatio	on					RO b	ROb	y 802	826	e 30	N	- 50	Met							
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numbe	er	DRO/ORO	GRO/DRO	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					F	Remarks	ě.
0900	3/26/2025	S	1	FS 14:	2	-	Ο,		1							х									
0856	3/26/2025	S	1	FS 143		-	0'		2							х									
0903	3/26/2025	S	1	FS 145			01		3							х									
1012	3/26/2025	S	1	FS14	6	- (	01		4							х									
0906	3/26/2025	S	1	F5147		- (	٥'		5							Х									
1006	3/26/2025	S	1	FS148	,		) 1		6							х									
8848	3/26/2025	S	1	FS149		- 0	t		7							х									
0845	3/26/2025	S	1	FS 150		- 0	1		8							х									
0842	3/26/2025	S	1	F5151		- 01			9							х									
0909	3/26/2025	S	1	FS152		- 0'			10							х									
Addition	nal Instruction	ons: Ple	ase CC: ag	giovengo@enso	lum.cor	m, chamilton@e	ensolum.com, ie	strel	la@ens	olur	m.c	om,	bsim	mor	s@e	nsol	um.c	om,	jgon	zalez@	ens	olum	.con	1	
I, (field sam	pler), attest to th	e validity an	d authenticity	of this sample. I am	aware that	t tampering with or int	entionally mislabeling	the sa	imple locat	tion, c	date	or time	e of co	llectio	n is co	nsider	ed frau	ıd and	may b	e ground	ds for le	egal act	ion.		
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	trix: S - Soil, Sd -								tainer T							c, ag	- am	ber g	lass, v						
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	Clier	nt Inform	nation			Invoice	Information				La	b Us	e On	ly				TAT			Sta	ate
lient: Ma	tador		SI I			Company: Ensolu	m LLC			WO#			Job 1				1D	2D 3D	Std		1 CO L	TX TX
roject: B	ig Bucks FED	COM 5	01H			Address: 3122 Nat	tional Parks Hwy	0	E5	63:	230	0	230	203	000	2			X	X		
roject M	anager: Ash	nley Giov	engo			City, State, Zip: Ca		0_	_													
	3122 Nation					Phone: 575-988-0	0055						Ana	lysis	and I	Meth	nod				PA Pro	
	, Zip: Carlsh		88220			Email: agiovengo	@ensolum.com													SDWA	CWA	RCRA
	75-988-0055					Miscellaneous:																
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004	3/26/2025	S	1	FS	153	-0'			11						Х							
911	3/26/2025	S	1	FS	154	-0'			12						Х							
020	3/26/2025	S	1	FS	157	-0'			13						Х							
1024	3/26/2025	S	1	FS	158	-0'			14						х							
1041	3/26/2025	S	1	FS	161	- 0'			15						Х							
750	3/26/2025	S	1	FSI	63	- 0'			16						Х							
029	3/26/2025	S	1	F51	64	- 0'			17						х							
032	3/26/2025	S	1	FS	165	-0'			18						х							
038	3/26/2025	S	1	FS	166	-0'			19						х							
036	3/26/2025	S	1	FS	168	-0'			20						х							
dditiona	I Instruction	ns: Plea	ase CC: a	giovengo	@ensolum	.com, chamilton@	ensolum.com, ie	strell	a@ensol	um.c	om, l	bsim	mon	s@e	nsolu	m.c	om, jg	onzale	z@ens	olum.c	om	
	2 1 1																					
	Warner to the	Thoronday and		* ************************************	ole. I am awar	e that tampering with or in	tentionally mislabeling	the sar	nple location	n, date	or time	e of co	llection	n is cor	sidere	d frau	d and m	ay be gro	unds for	legal actio	n.	
	Higinio Go		Total		Trime	In and the letter	-1	Insta		Time					Sample	roqui	ring ther	mal preser	ration mus	t he receive	d on ice the	day they are
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						ther arrangements are with this COC. The liabil										clien	t expe	ise. The	report f	or the an	alysis of t	he above
mpies is a	pplicable only	to those s	ampies re	ceived by th	e laboratory	with this COC. The liabil	ity of the laboratory	15 111111	ted to the	amour	ir haid	101 0	in the	repor	ι,							
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Page 240 of 598

Printed: 3/28/2025 8:39:31AM

#### **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:	03/28/25	04:00	Work Order ID:	E503236
Phone:	(972) 371-5200	Date Logged In:	03/27/25	14:00	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/03/25	17:00 (4 day TAT)		
	Custody (COC) ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?	on the coc	Yes	Carrier: C	¹ouriar	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u>courier</u>	
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssi	the field,	Yes		Comme	nts/Resolution
	Turn Around Time (TAT)	л.	••	[	Project Big Bucks Fed	
	e COC indicate standard TAT, or Expedited TAT?		Yes		= =	
Sample C			***		separated into 2 report	<u>-</u>
	sample cooler received?		Yes		volume. WO are E503	236 & E503237.
	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			
	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			
	visible ice, record the temperature. Actual sample	temperature: 4	<u>C</u>			
	Container		».T			
	queous VOC samples present?		No NA			
	OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)?		NA NA			
	trip blank (TB) included for VOC analyses?		NA NA			
	on-VOC samples collected in the correct containers.	)	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal	** *	iers conceicu.	103			
20. Were	field sample labels filled out with the minimum info ample ID?	rmation:	Yes			
	pate/Time Collected?		Yes	L		
C	ollectors name?		Yes			
Sample F	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filtration 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	se?	No			
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborator	ry?	No			
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA	
Client I	struction					
Signat	ure of client authorizing changes to the COC or sample dis	position.			Date	envirotech Inc.

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: Big Bucks Fed Com 501H

Work Order: E503237

Job Number: 23003-0002

Received: 3/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/3/25

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

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

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

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

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

Date Reported: 4/3/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E503237

Date Received: 3/28/2025 4:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/28/2025 4:00:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/03/25 11:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS160-0'	E503237-01A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS162-0'	E503237-02A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS167-0'	E503237-03A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS185-0'	E503237-04A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS187-0'	E503237-05A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS188-0'	E503237-06A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS189-0'	E503237-07A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS190-0'	E503237-08A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS192-0'	E503237-09A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS195-0'	E503237-10A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS196-0'	E503237-11A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS197-0'	E503237-12A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS198-0'	E503237-13A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS199-0'	E503237-14A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS200-0'	E503237-15A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS205-0'	E503237-16A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS216-0'	E503237-17A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS218-0'	E503237-18A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS223-0'	E503237-19A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS224-0'	E503237-20A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS225-0'	E503237-21A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS226-0'	E503237-22A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.
FS227-0'	E503237-23A	Soil	03/26/25	03/28/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS160-0' E503237-01

		E303237-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	182	25.0	1	03/28/25	04/01/25	
Oil Range Organics (C28-C36)	92.5	50.0	1	03/28/25	04/01/25	
Surrogate: n-Nonane		92.7 %	61-141	03/28/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2513097
Chloride	521	20.0	1	03/28/25	03/28/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 11:58:36AM

#### FS162-0' E503237-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	131	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	148	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		88.3 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2513097
Chloride	409	20.0	1	03/28/25	03/28/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS167-0' E503237-03

		1305257 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
o,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	287	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	219	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		96.7 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2513097
Chloride	654	20.0	1	03/28/25	03/28/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS185-0' E503237-04

	E303237-04				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2513096
ND	0.0250	1	03/28/25	03/29/25	
ND	0.0250	1	03/28/25	03/29/25	
ND	0.0250	1	03/28/25	03/29/25	
ND	0.0250	1	03/28/25	03/29/25	
ND	0.0500	1	03/28/25	03/29/25	
ND	0.0250	1	03/28/25	03/29/25	
	96.6 %	70-130	03/28/25	03/29/25	
mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2513096
ND	20.0	1	03/28/25	03/29/25	
	103 %	70-130	03/28/25	03/29/25	
mg/kg	mg/kg	Ana	ılyst: KH		Batch: 2513098
59.3	25.0	1	03/28/25	04/01/25	
83.4	50.0	1	03/28/25	04/01/25	
	94.0 %	61-141	03/28/25	04/01/25	
mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2513097
343	20.0	1	03/28/25	03/28/25	<del></del>
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 59.3 83.4	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         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           59.3         25.0           83.4         50.0           94.0 %         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           MB/kg         mg/kg         Ana           ND         20.0         1           103 %         70-130           mg/kg         mg/kg         Ana           59.3         25.0         1           83.4         50.0         1           94.0 %         61-141         Max           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0500         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25           mg/kg         mg/kg         Analyst: KH           59.3         25.0         1         03/28/25           83.4         50.0         1         03/28/25           mg/kg         61-141         03/28/25           mg/kg         mg/kg         Analyst: JM	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25         03/29/25           ND         0.0250         1         03/28/25         03/29/25           ND         0.0250         1         03/28/25         03/29/25           ND         0.0500         1         03/28/25         03/29/25           ND         0.0250         1         03/28/25         03/29/25           ND         0.0250         1         03/28/25         03/29/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25         03/29/25           mg/kg         mg/kg         Analyst: KH           59.3         25.0         1         03/28/25         04/01/25           83.4         50.0         1         03/28/25         04/01/25           94.0 %         61-141         03/28/25         04/01/25           mg/kg         mg/kg         Analyst: JM



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS187-0' E503237-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	171	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	110	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		93.2 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2513097
Chloride	1510	20.0	1	03/28/25	03/28/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS188-0' E503237-06

		E303237-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
o,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	216	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	133	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		83.5 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2513097
Chloride	792	20.0	1	03/28/25	03/28/25	
Anions by EPA 300.0/9056A Chloride			Anal	-	03/28/25	I



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS189-0' E503237-07

		1305257 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
p-Xylene	ND	0.0250	1	03/28/25	03/30/25	
o,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	75.5	25.0	1	03/28/25	04/01/25	
Oil Range Organics (C28-C36)	97.8	50.0	1	03/28/25	04/01/25	
Surrogate: n-Nonane		90.0 %	61-141	03/28/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2513097
Chloride	642	20.0	1	03/28/25	03/28/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS190-0' E503237-08

		E303237-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	198	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	268	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		84.2 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2513097
Chloride	659	20.0	1	03/28/25	03/28/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS192-0' E503237-09

	1300201 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: SL		Batch: 2513096
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0500	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
	99.7 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Analy	st: SL		Batch: 2513096
ND	20.0	1	03/28/25	03/30/25	
	98.9 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Analy	st: KH		Batch: 2513098
50.9	25.0	1	03/28/25	03/28/25	
ND	50.0	1	03/28/25	03/28/25	
	88.1 %	61-141	03/28/25	03/28/25	
mg/kg	mg/kg	Analy	vst: JM		Batch: 2513097
459	20.0	1	03/28/25	03/28/25	
	mg/kg ND Mg/kg ND  mg/kg 50.9 ND	Result         Reporting 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         20.0250           99.7 %         mg/kg           mg/kg         mg/kg           ND         20.0           98.9 %         mg/kg           mg/kg         mg/kg           50.9         25.0           ND         50.0           88.1 %         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         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           99.7 %         70-130         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           98.9 %         70-130           mg/kg         mg/kg         Analy           50.9         25.0         1           ND         50.0         1           88.1 %         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0500         1         03/28/25           ND         0.0250         1         03/28/25           mg/kg         Malayst: SL         Malayst: SL           ND         20.0         1         03/28/25           mg/kg         Mg/kg         Analyst: KH           50.9         25.0         1         03/28/25           ND         50.0         1         03/28/25           ND         50.0         1         03/28/25           ND         50.0         1         03/28/25           mg/kg         Mg/kg         Analyst: KH	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25         03/30/25           ND         0.0500         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           MD         0.0250         1         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: KH           50.9         25.0         1         03/28/25         03/28/25           ND         50.0         1         03/28/25         03/28/25           ND         50.0         1         03/28/25         03/28/25           ND         50.0         1         03/28/25 </td



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS195-0' E503237-10

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0500	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
	98.9 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
ND	20.0	1	03/28/25	03/30/25	
	99.3 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Anal	yst: KH		Batch: 2513098
45.1	25.0	1	03/28/25	03/28/25	
52.1	50.0	1	03/28/25	03/28/25	
	93.0 %	61-141	03/28/25	03/28/25	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2513097
531	20.0	1	03/28/25	03/28/25	
	mg/kg ND ND ND ND ND ND ND ND The state of t	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           98.9 %         mg/kg           MD         20.0           99.3 %         mg/kg           mg/kg         mg/kg           45.1         25.0           52.1         50.0           93.0 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           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           98.9 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           99.3 %         70-130           mg/kg         mg/kg         Anal           45.1         25.0         1           52.1         50.0         1           93.0 %         61-141         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0500         1         03/28/25           ND         0.0250         1         03/28/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25           mg/kg         mg/kg         Analyst: KH           45.1         25.0         1         03/28/25           52.1         50.0         1         03/28/25           mg/kg         Mg/kg         Analyst: JM	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0500         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           MD         0.0250         1         03/28/25         03/30/25           Mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: KH           45.1         25.0         1         03/28/25         03/28/25           52.1         50.0         1         03/28/25         03/28/25           mg/kg         mg/kg



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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS196-0' E503237-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	72.3	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	82.9	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		93.3 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2513097
Chloride	2190	20.0	1	03/28/25	03/28/25	

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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS197-0' E503237-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	431	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	173	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		95.0 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2513097
Chloride	3840	40.0	2	03/28/25	03/28/25	



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#### FS198-0' E503237-13

Zed Notes  Batch: 2513096  /25  /25
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#### FS199-0' E503237-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	482	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	330	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		93.4 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2513097
Chloride	1100	20.0	1	03/28/25	03/28/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS200-0' E503237-15

	1300207 13				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0500	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
	97.8 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
ND	20.0	1	03/28/25	03/30/25	
	96.6 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Analy	yst: KH		Batch: 2513098
611	25.0	1	03/28/25	03/28/25	
351	50.0	1	03/28/25	03/28/25	
	86.8 %	61-141	03/28/25	03/28/25	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2513097
897	20.0	1	03/28/25	03/28/25	
	mg/kg ND ND ND ND ND ND ND ND ND 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           MD         0.0250           MD         0.0250           97.8 %         mg/kg           MD         20.0           96.6 %         mg/kg           mg/kg         mg/kg           611         25.0           351         50.0           86.8 %         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           97.8 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           96.6 %         70-130         1           mg/kg         mg/kg         Analy           611         25.0         1           351         50.0         1           86.8 %         61-141         61-141           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0500         1         03/28/25           ND         0.0250         1         03/28/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25           mg/kg         mg/kg         Analyst: KH           611         25.0         1         03/28/25           mg/kg         Mg/kg         Analyst: KH           611         25.0         1         03/28/25           351         50.0         1         03/28/25           mg/kg         mg/kg         Analyst: JM	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0500         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           mg/kg         70-130         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: SL         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: KH         03/28/25         03/28/25         03/28/25           351         50.0         1         03/28/25         03/28/25         03/28/25           mg/kg         mg/kg         Analyst: JM         03/28/25         03/28/25



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#### FS205-0' E503237-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	754	25.0	1	03/28/25	03/28/25	
Oil Range Organics (C28-C36)	427	50.0	1	03/28/25	03/28/25	
Surrogate: n-Nonane		94.2 %	61-141	03/28/25	03/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2513097
Chloride	726	20.0	1	03/28/25	03/28/25	



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#### FS216-0' E503237-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	1010	25.0	1	03/28/25	03/29/25	
Oil Range Organics (C28-C36)	419	50.0	1	03/28/25	03/29/25	
Surrogate: n-Nonane		91.0 %	61-141	03/28/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2513097
Chloride	924	20.0	1	03/28/25	03/28/25	



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#### FS218-0' E503237-18

		E303237-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	420	25.0	1	03/28/25	04/01/25	
Oil Range Organics (C28-C36)	243	50.0	1	03/28/25	04/01/25	
Surrogate: n-Nonane		91.5 %	61-141	03/28/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2513097
Chloride	261	20.0	1	03/28/25	03/28/25	



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#### FS223-0' E503237-19

		200220. 19				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2513096
Benzene	ND	0.0250	1	03/28/25	03/30/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/30/25	
Toluene	ND	0.0250	1	03/28/25	03/30/25	
o-Xylene	ND	0.0250	1	03/28/25	03/30/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/30/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/30/25	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2513096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	03/28/25	03/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KH		Batch: 2513098
Diesel Range Organics (C10-C28)	533	25.0	1	03/28/25	04/01/25	
Oil Range Organics (C28-C36)	361	50.0	1	03/28/25	04/01/25	
Surrogate: n-Nonane		90.2 %	61-141	03/28/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2513097
Chloride	1790	20.0	1	03/28/25	03/28/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS224-0' E503237-20

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	yst: SL		Batch: 2513096
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
ND	0.0500	1	03/28/25	03/30/25	
ND	0.0250	1	03/28/25	03/30/25	
	97.7 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Ana	yst: SL		Batch: 2513096
ND	20.0	1	03/28/25	03/30/25	
	101 %	70-130	03/28/25	03/30/25	
mg/kg	mg/kg	Ana	yst: KH		Batch: 2513098
349	25.0	1	03/28/25	04/01/25	
219	50.0	1	03/28/25	04/01/25	
	93.4 %	61-141	03/28/25	04/01/25	
mg/kg	mg/kg	Ana	yst: JM		Batch: 2513097
429	20.0	-	02/20/25	02/20/25	
	mg/kg ND ND ND ND ND ND ND ND THE STATE OF T	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           101 %         mg/kg           mg/kg         mg/kg           349         25.0           219         50.0           93.4 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           97.7 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           101 %         70-130         1           mg/kg         mg/kg         Anal           349         25.0         1           219         50.0         1           93.4 %         61-141           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0500         1         03/28/25           ND         0.0250         1         03/28/25           ND         0.0250         1         03/28/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25           mg/kg         mg/kg         Analyst: KH           349         25.0         1         03/28/25           mg/kg         50.0         1         03/28/25           93.4 %         61-141         03/28/25           mg/kg         mg/kg         Analyst: JM	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0500         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           ND         0.0250         1         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/28/25         03/30/25           mg/kg         mg/kg         Analyst: KH           349         25.0         1         03/28/25         04/01/25           mg/kg         mg/kg         Analyst: KH           349         25.0         1         03/28/25         04/01/25           93.4%         61-141         03/28/25         04/01/25           mg/kg         mg/kg         Analyst: JM



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS225-0' E503237-21

		E303237-21				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2513095
Benzene	ND	0.0250	1	03/28/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/29/25	
Coluene	ND	0.0250	1	03/28/25	03/29/25	
-Xylene	ND	0.0250	1	03/28/25	03/29/25	
o,m-Xylene	ND	0.0500	1	03/28/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	03/28/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2513095
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	03/28/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: HM		Batch: 2513106
Diesel Range Organics (C10-C28)	34.8	25.0	1	03/29/25	03/29/25	
Oil Range Organics (C28-C36)	67.7	50.0	1	03/29/25	03/29/25	
Surrogate: n-Nonane		104 %	61-141	03/29/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: AK		Batch: 2513101
Chloride	175	20.0	1	03/28/25	03/28/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS226-0' E503237-22

		100010111				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2513095
Benzene	ND	0.0250	1	03/28/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/29/25	
Toluene	ND	0.0250	1	03/28/25	03/29/25	
o-Xylene	ND	0.0250	1	03/28/25	03/29/25	
o,m-Xylene	ND	0.0500	1	03/28/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	03/28/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2513095
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/28/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2513106
Diesel Range Organics (C10-C28)	61.7	25.0	1	03/29/25	03/29/25	
Oil Range Organics (C28-C36)	116	50.0	1	03/29/25	03/29/25	
Surrogate: n-Nonane		105 %	61-141	03/29/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: AK		Batch: 2513101
Chloride	422	20.0	1	03/28/25	03/28/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

#### FS227-0' E503237-23

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513095
Benzene	ND	0.0250	1	03/28/25	03/29/25	
Ethylbenzene	ND	0.0250	1	03/28/25	03/29/25	
Toluene	ND	0.0250	1	03/28/25	03/29/25	
o-Xylene	ND	0.0250	1	03/28/25	03/29/25	
p,m-Xylene	ND	0.0500	1	03/28/25	03/29/25	
Total Xylenes	ND	0.0250	1	03/28/25	03/29/25	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	03/28/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513095
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/25	03/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/28/25	03/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2513106
Diesel Range Organics (C10-C28)	31.0	25.0	1	03/29/25	03/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/25	03/29/25	
Surrogate: n-Nonane		104 %	61-141	03/29/25	03/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2513101
Chloride	610	20.0	1	03/28/25	03/28/25	



Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/3/2025 11:58:36AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2513095-BLK1) Prepared: 03/28/25 Analyzed: 03/28/25 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 7.69 8.00 96.2 70-130 LCS (2513095-BS1) Prepared: 03/28/25 Analyzed: 03/28/25 4.33 86.6 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.17 0.0250 5.00 83.3 70-130 4.28 0.0250 5.00 85.6 70-130 Toluene 83.7 o-Xylene 4.19 0.0250 5.00 70-130 8.36 10.0 83.6 70-130 0.0500 p.m-Xvlene 83.6 12.5 15.0 70-130 Total Xylenes 0.0250 8.00 97.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.78 Matrix Spike (2513095-MS1) Source: E503235-04 Prepared: 03/28/25 Analyzed: 03/28/25 4.44 0.0250 5.00 ND 70-130 Benzene ND 85.4 70-130 Ethylbenzene 4.27 0.0250 5.00 Toluene 4.38 0.0250 5.00 ND 87.7 70-130 4.27 ND 85.5 70-130 5.00 0.0250 o-Xylene p,m-Xylene 8.56 0.0500 10.0 ND 85.6 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.60 8.00 Matrix Spike Dup (2513095-MSD1) Source: E503235-04 Prepared: 03/28/25 Analyzed: 03/28/25 4.06 0.0250 5.00 ND 81.2 70-130 8.91 27 70-130 3.92 0.0250 5.00 ND 78.4 8.51 26 Ethylbenzene

4 02

3.92

7.88

11.8

7.58

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

80.4

78.5

78.8

78.7

94.8

70-130

70-130

70-130

70-130

70-130

8 67

8.50

8.27

8.35

20

25

23

26



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/3/2025 11:58:36AM **Volatile Organics by EPA 8021B** Analyst: SL RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2513096-BLK1) Prepared: 03/28/25 Analyzed: 03/29/25 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 7.68 8.00 96.0 70-130 LCS (2513096-BS1) Prepared: 03/28/25 Analyzed: 03/29/25 4.09 5.00 81.7 70-130 0.0250 Benzene Ethylbenzene 3.97 0.0250 5.00 79.5 70-130 81.2 70-130 4.06 0.0250 5.00 Toluene 80.0 70-130 o-Xylene 4.00 0.0250 5.00 8.02 10.0 80.2 70-130 0.0500 p,m-Xylene 80.1 70-130 12.0 0.0250 15.0 Total Xylenes 8.00 96.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.71 Matrix Spike (2513096-MS1) Source: E503237-04 Prepared: 03/28/25 Analyzed: 03/29/25

Benzene	4.07	0.0250	5.00	ND	81.4	70-130	
Ethylbenzene	3.96	0.0250	5.00	ND	79.2	70-130	
Toluene	4.04	0.0250	5.00	ND	80.8	70-130	
o-Xylene	3.96	0.0250	5.00	ND	79.1	70-130	
p,m-Xylene	7.96	0.0500	10.0	ND	79.6	70-130	
Total Xylenes	11.9	0.0250	15.0	ND	79.5	70-130	
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130	
Matrix Spika Dun (2513006 MSD1)				Source	F503237	04	Pranarad: 03/28/25 Analyzad: 03/20/25

Matrix Spike Dup (2513096-MSD1)	Source:	Source: E503237-04			3/28/25 Analyzed: 03/29/25			
Benzene	4.38	0.0250	5.00	ND	87.7	70-130	7.44	27
Ethylbenzene	4.26	0.0250	5.00	ND	85.2	70-130	7.33	26
Toluene	4.35	0.0250	5.00	ND	87.0	70-130	7.29	20
o-Xylene	4.24	0.0250	5.00	ND	84.9	70-130	7.06	25
p,m-Xylene	8.55	0.0500	10.0	ND	85.5	70-130	7.15	23
Total Xylenes	12.8	0.0250	15.0	ND	85.3	70-130	7.12	26
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130		

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 11:58:36AM

Dallas 1A, /3240		Project Manage	r: As	sniey Gioveng	go			4/3	5/2023 11:36:30AM
	Non		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 (2513095-BLK1)							Prepared: 0	3/28/25 Anal	yzed: 03/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			
LCS (2513095-BS2)							Prepared: 0	3/28/25 Anal	yzed: 03/28/25
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.62		8.00		108	70-130			
Matrix Spike (2513095-MS2)				Source:	E503235-	04	Prepared: 0	3/28/25 Anal	yzed: 03/28/25
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID	8.44		8.00		106	70-130		
Matrix Spike Dup (2513095-MSD2)				Source:	E503235-0	04	Prepared: 03	3/28/25 Analyzed: 03/28/25
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	3.07	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130		

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 11:58:36AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			4/	3/2025 11:58:36AM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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 (2513096-BLK1)							Prepared: 0	3/28/25 Ana	yzed: 03/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			
LCS (2513096-BS2)							Prepared: 0	3/28/25 Anal	yzed: 03/29/25
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.26		8.00		103	70-130			
Matrix Spike (2513096-MS2)				Source:	E503237-	04	Prepared: 0	3/28/25 Anal	yzed: 03/29/25
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.36		8.00		104	70-130			
Matrix Spike Dup (2513096-MSD2)				Source:	E503237-	04	Prepared: 0	3/28/25 Ana	yzed: 03/29/25

50.0 8.00 ND

106

70-130

70-130

5.10

20

53.3

8.46

20.0

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/3/2025 11:58:36AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			4	4/3/2025 11:58:36AN
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2513098-BLK1)							Prepared: 0	3/28/25 An	nalyzed: 03/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	46.7		50.0		93.4	61-141			
LCS (2513098-BS1)							Prepared: 0	3/28/25 An	nalyzed: 03/28/25
Diesel Range Organics (C10-C28)	236	25.0	250		94.5	66-144			
urrogate: n-Nonane	45.3		50.0		90.5	61-141			
Matrix Spike (2513098-MS1)				Source:	E503237-	05	Prepared: 0	3/28/25 An	nalyzed: 03/28/25
Diesel Range Organics (C10-C28)	329	25.0	250	171	63.3	56-156			
urrogate: n-Nonane	47.2		50.0		94.5	61-141			
Matrix Spike Dup (2513098-MSD1)				Source:	E503237-	05	Prepared: 0	3/28/25 An	nalyzed: 03/28/25
Diesel Range Organics (C10-C28)	362	25.0	250	171	76.6	56-156	9.66	20	
Gurrogate: n-Nonane	47.8		50.0		95.5	61-141			



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	go				4/3/2025 11:58:36AN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2513106-BLK1)							Prepared: 0	3/29/25 Ar	alyzed: 03/29/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	57.1		50.0		114	61-141			
LCS (2513106-BS1)							Prepared: 0	3/29/25 Ar	alyzed: 03/29/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
urrogate: n-Nonane	48.3		50.0		96.5	61-141			
Matrix Spike (2513106-MS1)				Source:	E503237-	23	Prepared: 0	3/29/25 Ar	alyzed: 03/29/25
Diesel Range Organics (C10-C28)	291	25.0	250	31.0	104	56-156			
urrogate: n-Nonane	49.8		50.0		99.6	61-141			
Matrix Spike Dup (2513106-MSD1)				Source:	E503237-	23	Prepared: 0	3/29/25 Ar	alyzed: 03/29/25
Diesel Range Organics (C10-C28)	290	25.0	250	31.0	104	56-156	0.549	20	
'urrogate: n-Nonane	50.0		50.0		100	61-141			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501H 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/3/2025 11:58:36AM

Dallas 1A, /3240		Froject Manage	1. AS	illey Glovelig	30				#3/2023 11.36.30AW
		Anions	by EPA 3	00.0/9056	4				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2513097-BLK1)							Prepared: 0	3/28/25 An	alyzed: 03/28/25
Chloride	ND	20.0							
LCS (2513097-BS1)							Prepared: 0	3/28/25 An	alyzed: 03/28/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2513097-MS1)				Source:	E503237-	07	Prepared: 0	3/28/25 An	alyzed: 03/28/25
Chloride	927	20.0	250	642	114	80-120			
Matrix Spike Dup (2513097-MSD1)				Source:	E503237-	07	Prepared: 0	3/28/25 An	alyzed: 03/28/25
Chloride	860	20.0	250	642	87.4	80-120	7.52	20	



Chloride

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Big Bucks Fed ( 3003-0002 Ashley Gioveng					Reported: 4/3/2025 11:58:36AM
		Anions	by EPA	300.0/9056	4				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2513101-BLK1)							Prepared: 0	3/28/25 A	Analyzed: 03/28/25
Chloride	ND	20.0							
LCS (2513101-BS1)							Prepared: 0	3/28/25 A	Analyzed: 03/28/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2513101-MS1)				Source:	E503237-2	22	Prepared: 0	3/28/25 A	Analyzed: 03/28/25
Chloride	673	20.0	250	422	101	80-120			
Matrix Spike Dup (2513101-MSD1)				Source:	E503237-2	22	Prepared: 0	3/28/25 A	Analyzed: 03/28/25

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:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo04/03/25 11:58

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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

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lient: Matad	lor				Co	mpany: Ensolum LLC		L	ab WO	#		Job	Num	oer		1D	2D 3D	Std	NM C	O UT T	(
roject: Big B	ucks FED	COM 5	01H		Ad	ddress: 3122 National Parks I	lwy		E503	23	7	230	203	-00				X	X		
roject Mana	ger: Ash	ley Giov	engo		<u>Ci</u>	ty, State, Zip: Carlsbad NM, 8	8220														
Address: 312					Ph	one: 575-988-0055						Ana	lysis	and l	Met	nod				Program	
City, State, Zip			88220			mail: agiovengo@ensolum.o	com												SDWA	CWA F	RCRA
hone: 575-9			80.7		Mi	scellaneous:														I v	LN
mail: agiove	engo@er	isolum.c	om				-		015	8015								_	ompliance WSID #	YO	r I N
				Sample I	oformat	ion	_		- P	by 8	021	097	0.00	Σ	×	etals			W3ID#		
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Sampled Date	Sampled	Matrix	Containers			Sample ID	Field	Numl	0	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					
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(field sampler) a	ittest to the	validity and	authenticity	of this sample. La	m aware th	at tampering with or intentionally mislal	peling the	sample loc	ation dat	e or tin	ne of co	llectio	n is cor	sidere	d frau	d and n	nav be grou	ınds for le	egal action.		
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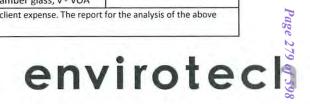
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Client: Matador		- TARGOT NY			Company: Ensolum Ll	LC		Lab	WO#	+		Job I	Num	ber		1D	2D	3D S	td	NM	co ut	TX
Project: Big Bucks FEI	COM 5	01H			Address: 3122 Nation	al Parks Hwy			503		7	23	00:	3-0	007			X		X		
Project Manager: As	hley Giov	engo			City, State, Zip: Carlsb	ad NM, 88220																
Address: 3122 Natio					Phone: 575-988-0055							Ana	lysis	and	Met	nod				EP	A Progra	ım
City, State, Zip: Carls	bad NM,	88220			Email: agiovengo@e	ensolum.com												7 1		SDWA	CWA	RCRA
Phone: 575-988-005	5				Miscellaneous:																	
Email: agiovengo@e	nsolum.c	om			100200000000000000000000000000000000000				2	ις.									1	Compliand	e Y	or N
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0757 3/26/2025	S	1	FSZ	16	-0'			17						Х								
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0955 3/26/2025	S	1	FSZ	23	-0'	The state of the s		19						х								
0749 3/26/2025	S	1	75Z		-0'			20						х								
Additional Instructio	ns: Plea	se CC: ag	iovengo@	ensolum	.com, chamilton@enso	olum.com, ies	trella	@enso	lum.c	om,	bsim	mon	s@e	nsolu	um.c	om,	jgon	zalez@	ens	solum.co	m	
And the second of the second o		authenticity	of this sampl	e. I am awar	e that tampering with or intention	onally mislabeling th	he sam	ple locatio	n, date	or time	e of co	llection	n is cor	sidere	d frau	d and	may b	e ground	s for	legal action.		
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Client: M	atador				Company: Ensolum LLC		L	ab WO	#		Job	Num	ber		1D 2	D 3D Std	NM (	O UT TX
Project: E	ig Bucks FEI	COM 5	01H		Address: 3122 National P	arks Hwy		E503			230	0-50	200	2		X	X	
Project N	lanager: As	hley Giov	engo	Å.	City, State, Zip: Carlsbad	NM, 88220												
Address:	3122 Natio	nal Parks	Hwy		Phone: 575-988-0055						Ana	lysis	and I	Meth	od		EPA	Program
City, State	e, Zip: Carls	bad NM,	88220		Email: agiovengo@enso	lum.com									7		SDWA	CWA RCRA
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Addition	al Instructio	ns: Plea	ase CC: ag	iovengo@enso	lum.com, chamilton@ensolu	n.com, iestrel	la@en	solum.	com,	bsim	mor	ıs@e	nsolu	ım.cc	m, jg	onzalez@er	isolum.com	1
. (field samp	ler), attest to the	validity and	authenticity	of this sample. I am :	aware that tampering with or intentional	v mislabeling the sa	mple loca	ation, date	or tim	e of co	llectio	n is cor	sidere	d fraud	d and ma	v be grounds fo	r legal action.	
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enviroteciss environment expense. The report for the analysis of the above

envirotech Inc.

Printed: 3/28/2025 9:08:32AM

#### **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:	03/28/25 04:0		Work Order ID:	E503237
Phone:	(972) 371-5200	Date Logged In:	03/27/25 14:0		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/03/25 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: C	<u>Courier</u>	
	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>Commen</u>	ts/Resolution
	Curn Around Time (TAT)  COC indicate standard TAT, or Expedited TAT?		Yes		Project Big Bucks Fed	Com 501H has
Sample C	<u>Cooler</u>				been separated into 2 re	ports due to sample
7. Was a s	sample cooler received?		Yes		volume. WO are E5032	236 & E503237.
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 a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	Container		<del>_</del>			
	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 Lab	<u>oel</u>					
	field sample labels filled out with the minimum info	ormation:	3.7			
	ample ID? late/Time Collected?		Yes			
	follectors name?		Yes Yes			
	Preservation		103			
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved m	etals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborate	orv?	No			
	subcontract laboratory specified by the client and i	~		ubcontract Lab	: NA	
	nstruction .					
CHERT	isti uction					
L						

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: Big Bucks Fed Com 501H

Work Order: E503252

Job Number: 23003-0002

Received: 3/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/4/25

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

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

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

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

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

Date Reported: 4/4/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E503252

Date Received: 3/31/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2025 7:30:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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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#### **Sample Summary**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/04/25 13:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E503252-01A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS02-0'	E503252-02A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS03-0'	E503252-03A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS04-0'	E503252-04A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS05-0'	E503252-05A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS06-0'	E503252-06A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS07-0'	E503252-07A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS08-0'	E503252-08A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS09-0'	E503252-09A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS10-0'	E503252-10A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS11-0'	E503252-11A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS12-0'	E503252-12A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS13-0'	E503252-13A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS14-0'	E503252-14A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS15-0'	E503252-15A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS16-0'	E503252-16A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS17-0'	E503252-17A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS18-0'	E503252-18A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS20-0'	E503252-19A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS22-0'	E503252-20A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.



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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

#### FS01-0' E503252-01

	E303232-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL	<u>-</u>	Batch: 2514016
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0500	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
	83.9 %	70-130	03/31/25	03/31/25	
mg/kg	mg/kg	Analyst: SL			Batch: 2514016
ND	20.0	1	03/31/25	03/31/25	
	91.3 %	70-130	03/31/25	03/31/25	
mg/kg	mg/kg	Analy	/st: KH		Batch: 2514011
30.0	25.0	1	03/31/25	04/01/25	
ND	50.0	1	03/31/25	04/01/25	
	95.2 %	61-141	03/31/25	04/01/25	
mg/kg	mg/kg	Analy	st: JM		Batch: 2514010
365	20.0	1	03/31/25	03/31/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 30.0 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           83.9 %         mg/kg           mg/kg         mg/kg           ND         20.0           91.3 %         mg/kg           mg/kg         mg/kg           ND         50.0           95.2 %         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         0.0500         1           ND         0.0250         1           ND         0.0250         1           83.9 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           91.3 %         70-130           mg/kg         mg/kg         Analy           ND         50.0         1           ND         50.0         1           95.2 %         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0500         1         03/31/25           ND         0.0250         1         03/31/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/31/25           mg/kg         mg/kg         Analyst: KH           30.0         25.0         1         03/31/25           ND         50.0         1         03/31/25           ND         50.0         1         03/31/25           MD         50.0         1         03/31/25           mg/kg         Mg/kg         Analyst: KH	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           ND         0.0500         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           83.9 %         70-130         03/31/25         03/31/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/31/25         03/31/25           mg/kg         mg/kg         Analyst: KH           30.0         25.0         1         03/31/25         04/01/25           ND         50.0         1         03/31/25         04/01/25           ND         50.0         1         03/31/25         04/01/25           Mg/kg         Mg/kg         Analyst: JM <td< td=""></td<>

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

#### FS02-0' E503252-02

		200202 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
o,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		84.2 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	90.7	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	224	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		97.3 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2514010
Chloride	444	20.0	1	03/31/25	03/31/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS03-0'

E503252-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		83.1 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	27.7	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		95.5 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2514010
Chloride	560	20.0	1	03/31/25	03/31/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

#### FS04-0'

#### E503252-04

		D				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		alyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		82.4 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	63.1	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	208	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		93.9 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2514010
Chloride	610	20.0	1	03/31/25	03/31/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS05-0'

E503252-05						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		86.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		87.2 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2514010
Chloride	2690	20.0	1	03/31/25	03/31/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

#### FS06-0'

E50		

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		85.2 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6%	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		92.6 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2514010
Chloride	708	20.0	1	03/31/25	03/31/25	•



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS07-0' E503252-07

		E303232-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
thylbenzene	ND	0.0250	1	03/31/25	03/31/25	
oluene	ND	0.0250	1	03/31/25	03/31/25	
-Xylene	ND	0.0250	1	03/31/25	03/31/25	
,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
otal Xylenes	ND	0.0250	1	03/31/25	03/31/25	
urrogate: 4-Bromochlorobenzene-PID		87.7 %	70-130	03/31/25	03/31/25	
Jonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2514016
asoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	03/31/25	03/31/25	
Onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2514011
riesel Range Organics (C10-C28)	44.5	25.0	1	03/31/25	04/01/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		93.6 %	61-141	03/31/25	04/01/25	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2514010
Chloride	1650	20.0	1	03/31/25	03/31/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS08-0'

E503252-0
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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		86.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		95.3 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2514010
· · · · · · · · · · · · · · · · · · ·	2390	20.0		03/31/25	03/31/25	<u> </u>



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS09-0'

		E503252-09				
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		84.1 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	33.2	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	52.9	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		96.9 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2514010
Chloride	1380	20.0	1	03/31/25	03/31/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS10-0' E503252-10

		1305232 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
o,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	33.2	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	50.9	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		97.2 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2514010
Chloride	6470	100	5	03/31/25	03/31/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS11-0' E503252-11

		E303232-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL	<u> </u>	Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		84.8 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		95.5 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2514010
Chloride	938	20.0	1	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS12-0' E503252-12

		E303232-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		85.1 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	33.0	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		93.3 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2514010
Chloride	1760	20.0	1	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS13-0' E503252-13

		1305232 15				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
p-Xylene	ND	0.0250	1	03/31/25	03/31/25	
o,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		85.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
iurrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	283	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	380	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		94.3 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2514010
Chloride	1920	20.0	1	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

#### FS14-0'

#### E503252-14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		87.5 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	28.8	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		92.5 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2514010
Chloride	4270	40.0	2	03/31/25	03/31/25	



Chloride

## **Sample Data**

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS15-0'

		E503252-15					
Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2514016	
Benzene	ND	0.0250	1	03/31/25	03/31/25		
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25		
Toluene	ND	0.0250	1	03/31/25	03/31/25		
o-Xylene	ND	0.0250	1	03/31/25	03/31/25		
o,m-Xylene	ND	0.0500	1	03/31/25	03/31/25		
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25		
Surrogate: 4-Bromochlorobenzene-PID		84.2 %	70-130	03/31/25	03/31/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2514016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	03/31/25	03/31/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2514011	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25		
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25		
Surrogate: n-Nonane		94.7 %	61-141	03/31/25	04/01/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2514010	

20.0

1080

03/31/25

03/31/25



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS16-0' E503252-16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		85.3 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	222	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	253	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		96.0 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2514010
Chloride	815	20.0	1	03/31/25	03/31/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS17-0' E503252-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		86.4 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	189	25.0	1	03/31/25	04/03/25	
Oil Range Organics (C28-C36)	161	50.0	1	03/31/25	04/03/25	
Surrogate: n-Nonane		101 %	61-141	03/31/25	04/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2514010
Chloride	657	20.0	1	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

#### FS18-0'

#### E503252-18

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		87.6 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		88.9 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2514010
Chloride	4310	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS20-0' E503252-19

		E303232-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
-Xylene	ND	0.0250	1	03/31/25	03/31/25	
,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
urrogate: 4-Bromochlorobenzene-PID		88.5 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	34.6	25.0	1	03/31/25	04/01/25	
Dil Range Organics (C28-C36)	51.0	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		89.9 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2514010
Chloride	2370	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:16:12PM

## FS22-0' E503252-20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514016
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		86.6 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2514011
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		93.2 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2514010
Chloride	1210	20.0	1	03/31/25	03/31/25	



## **QC Summary Data**

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/4/2025 1:16:12PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2514016-BLK1) Prepared: 03/31/25 Analyzed: 03/31/25 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 6.92 8.00 86.6 70-130 LCS (2514016-BS1) Prepared: 03/31/25 Analyzed: 03/31/25 4.94 98.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.85 0.0250 5.00 97.0 70-130 4.92 0.0250 5.00 98.5 70-130 Toluene 97.4 o-Xylene 4.87 0.0250 5.00 70-130 9.91 10.0 99.1 70-130 0.0500 p.m-Xvlene 98.5 14.8 15.0 70-130 Total Xylenes 0.0250 8.00 89.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.16 Matrix Spike (2514016-MS1) Source: E503252-05 Prepared: 03/31/25 Analyzed: 03/31/25 5.22 0.0250 5.00 ND 70-130 Benzene ND 103 70-130 Ethylbenzene 5.15 0.0250 5.00 Toluene 5.22 0.0250 5.00 ND 104 70-130 5.13 ND 103 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.97 8.00 Matrix Spike Dup (2514016-MSD1) Source: E503252-05 Prepared: 03/31/25 Analyzed: 03/31/25 5.38 0.0250 5.00 ND 70-130 3.03 27 70-130 2.02 5.26 0.0250 5.00 ND 105 26 Ethylbenzene

5 34

5.23

10.7

15.9

6.94

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

107

105

107

106

86.7

70-130

70-130

70-130

70-130

70-130

2 24

1.94

2.24

2.14

20

25

23

26



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:16:12PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			4/-	4/2025 1:16:12PM
	Nor	halogenated		Analyst: SL					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2514016-BLK1)							Prepared: 0	3/31/25 Anal	lyzed: 03/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			
LCS (2514016-BS2)							Prepared: 0	3/31/25 Anal	lyzed: 03/31/25
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			
Matrix Spike (2514016-MS2)				Source:	E503252-	05	Prepared: 0	3/31/25 Anal	lyzed: 03/31/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			
Matrix Spike Dup (2514016-MSD2)				Source:	E503252-	05	Prepared: 0	3/31/25 Anal	lyzed: 03/31/25
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.8	70-130	4.90	20	
Cubonne range Organies (CO CTO)		20.0					****		

8.00

7.35

91.9

70-130

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:16:12PM

Dullus 171, 732 10		Troject Manage		iney Groveng	-				
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514011-BLK1)							Prepared: 0	3/31/25 Ana	lyzed: 04/01/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			
LCS (2514011-BS1)							Prepared: 0	3/31/25 Ana	lyzed: 04/01/25
Diesel Range Organics (C10-C28)	229	25.0	250		91.5	66-144			
Surrogate: n-Nonane	47.1		50.0		94.2	61-141			
Matrix Spike (2514011-MS1)				Source:	E503252-0	03	Prepared: 0	3/31/25 Ana	lyzed: 04/01/25
Diesel Range Organics (C10-C28)	278	25.0	250	27.7	100	56-156			
Surrogate: n-Nonane	47.6		50.0		95.3	61-141			
Matrix Spike Dup (2514011-MSD1)				Source:	E503252-0	03	Prepared: 0	3/31/25 Ana	lyzed: 04/01/25
Diesel Range Organics (C10-C28)	277	25.0	250	27.7	99.9	56-156	0.325	20	
Surrogate: n-Nonane	47.8		50.0		95.6	61-141			

Matrix Spike Dup (2514010-MSD1)

Chloride

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manager	: 2	Big Bucks Fed ( 23003-0002 Ashley Gioveng					<b>Reported:</b> 4/4/2025 1:16:12PM
		Anions	by EPA	300.0/9056	4				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2514010-BLK1)							Prepared: 0	3/31/25 A	nalyzed: 03/31/25
Chloride	ND	20.0							
LCS (2514010-BS1)							Prepared: 0	3/31/25 A	nalyzed: 03/31/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2514010-MS1)				Source:	E503252-0	02	Prepared: 0	3/31/25 A	nalyzed: 03/31/25
Chloride	667	20.0	250	444	89.4	80-120			

250

20.0

Source: E503252-02

98.4

80-120

3.32

#### 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: 03/31/25 Analyzed: 03/31/25

20

## **Definitions and Notes**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo04/04/25 13:16

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

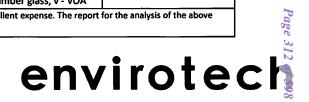
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 7/14/2025 3:02:16 PM

Client Information Invoice Information Lab Use Only TAT State																										
Cliants N		it inform	ation							1 - 1- 1			D US			ha.		10			CAJ		NM			
Client: M	Big Bucks FEC	COM 5	01H				Ensolum LLC L22 National Parks Hy			Lab \	wo# SCX	⊃~′	ລ		Mum	• <i>000</i>	<b>,</b>	טו	20		Std X		X	-	<del>" </del>	<del>'</del>
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample II	)	Field	La Num	ib nber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8 Metals						Rem	arks	
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0831	3/27/2025	s	1			10			IC	)						х										
	al Instructio	ns: Plea	ase CC: a	giovengo(	ensolun		Iton@ensolum.com,	iestrei	la@e	nsolu	ım.c	om,	bsim	mon	s@e	nsolu	ım.c	om,	jgon	zalez	@en	solu	m.co	m		
	pler), attest to the	-				e that tampering	with or intentionally mislabe	ing the sa	mple lo	cation,	, date	or time	e of co	llectio	n is co	nsidere	d frau	d and	may b	e grou	nds for	legal	action.			
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						ther arrangeme	ents are made. Hazardous															for th	e anal	vsis of	the a	bove

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.





## **Chain of Custody**

							Chain of	Cust	ody														P	age	of [A]
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Project N	lanager: Asl	hley Giov	engo		<u>c</u>	ty, State, Zip: Ca	arlsbad NM, 8822	20	[																000
Address:	3122 Natio	<u>nal Parks</u>	Hwy		<u>P</u> I	one: 575-988-	0055							Ana	lysis	and I	Met	hod				EPA P	rogran	1	D:
	e, Zip: Carls		88220				o@ensolum.com	<u> </u>										l			SDW	A C\	NA	RCRA	5
	75-988-005			_	<b></b>    ™	scellaneous:					ı								1	1	L			T 41	27/
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, (field sampled by:	•	-		y of this sampl o, Jenna Hinkle		at tampering with or i	ntentionally mislabeling	the sa	mple lo	cation,	date o	or time	of co	llection	n is cor	sidere	d frau	d and r	nay be gro	ounds fo	or legal act	ion.			]
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Printed: 3/31/2025 11:17:52AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

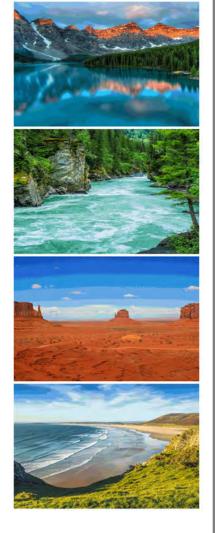
Instructions: Please take note of any NO checkmarks.

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:	03/31/25 07:	·30	Work Order ID:	E503252
			03/31/25 07:			Caitlin Mars
Phone: Email:	(972) 371-5200	Date Logged In: Due Date:		:00 (4 day TAT)	Logged In By:	Caltiin Mars
Elliali.	agiovengo@ensolum.com	Due Date.	04/04/23 17.	.00 (4 day 1A1)		
Chain of	Custody (COC)					
	te sample ID match the COC?		Yes			
	the number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier	
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	cumer. <u>c</u>	<del>Journel</del>	
	I samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted it				C	/D14
	i.e, 15 minute hold time, are not included in this disucssi	on.			Comments	s/Resolution
	urn Around Time (TAT)				Project big bucks has be	an caparated into 2
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			-
Sample C					reports due to sample vo	olume. WO are
	ample cooler received?		Yes		E503252 & E503253.	
•	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 ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
		temperature. 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	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	nors conceica.	103			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
D	ate/Time Collected?		Yes	ı		
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does t	the COC or field labels indicate the samples were p	reserved?	No			
	imple(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved m	etals?	No			
<u>Multipha</u>	se Sample Matrix					
26. Does t	the sample have more than one phase, i.e., multipha	ise?	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 laborate	rv?	No			
	subcontract laboratory specified by the client and i	•		ubcontract Lab	: NA	
	struction					
CHEIR III	<u>isti uction</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: Big Bucks Fed Com 501H

Work Order: E503253

Job Number: 23003-0002

Received: 3/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/4/25

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

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

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

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

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

Date Reported: 4/4/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E503253

Date Received: 3/31/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2025 7:30:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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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## **Sample Summary**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/04/25 13:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS31-0'	E503253-01A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS36-0'	E503253-02A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS39-0'	E503253-03A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS50-0'	E503253-04A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS68-0'	E503253-05A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS92-0'	E503253-06A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS141-0'	E503253-07A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS178-0'	E503253-08A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS179-0'	E503253-09A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS19-0'	E503253-10A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS21-0'	E503253-11A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS114-0'	E503253-12A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS115-0'	E503253-13A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS116-0'	E503253-14A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS117-0'	E503253-15A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS123-0'	E503253-16A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS124-0'	E503253-17A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS126-0'	E503253-18A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS175-0'	E503253-19A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS176-0'	E503253-20A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS180-0'	E503253-21A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS181-0'	E503253-22A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS182-0'	E503253-23A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.
FS183-0'	E503253-24A	Soil	03/27/25	03/31/25	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

## FS31-0' E503253-01

	E303233-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
ND	0.0500	1	03/31/25	03/31/25	
ND	0.0250	1	03/31/25	03/31/25	
	94.6 %	70-130	03/31/25	03/31/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
ND	20.0	1	03/31/25	03/31/25	
	99.1 %	70-130	03/31/25	03/31/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
61.4	25.0	1	03/31/25	03/31/25	
102	50.0	1	03/31/25	03/31/25	
	102 %	61-141	03/31/25	03/31/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
3160	40.0	2	03/31/25	03/31/25	
	mg/kg ND ND ND ND ND ND ND ND The state of t	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         20.0250           94.6 %         mg/kg           Mg/kg         mg/kg           ND         20.0           99.1 %         mg/kg           61.4         25.0           102         50.0           102 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           MD         0.0250         1           94.6%         70-130         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           99.1%         70-130           mg/kg         mg/kg         Analy           61.4         25.0         1           102         50.0         1           102%         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0500         1         03/31/25           ND         0.0250         1         03/31/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/31/25           mg/kg         mg/kg         Analyst: HM           61.4         25.0         1         03/31/25           mg/kg         61-141         03/31/25           mg/kg         mg/kg         Analyst: DT	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           ND         0.0500         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           ND         0.0250         1         03/31/25         03/31/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/31/25         03/31/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/31/25         03/31/25           mg/kg         mg/kg         Analyst: HM           61.4         25.0         1         03/31/25         03/31/25           102         50.0         1         03/31/25         03/31/25           mg/kg         61-141         03/31/25         03/31/25

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

## FS36-0' E503253-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	122	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	217	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		102 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	2740	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

## FS39-0' E503253-03

		1305235 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
o,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	78.5	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	109	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		98.4 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2514012
Chloride	2320	20.0	1	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

## FS50-0' E503253-04

		2002200 0.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	96.7	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	77.4	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		101 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	5790	100	5	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS68-0'

		E503253-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/31/25	03/31/25	
Toluene	ND	0.0250	1	03/31/25	03/31/25	
o-Xylene	ND	0.0250	1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/31/25	03/31/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	03/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	88.5	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	128	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		101 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2514012
Chloride	4590	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS92-0'

E503253-06							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2514015	
Benzene	ND	0.0250	1	03/31/25	04/01/25		
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25		
Toluene	ND	0.0250	1	03/31/25	04/01/25		
o-Xylene	ND	0.0250	1	03/31/25	04/01/25		
o,m-Xylene	ND	0.0500	1	03/31/25	04/01/25		
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25		
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	03/31/25	04/01/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2514015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	03/31/25	04/01/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: HM		Batch: 2514019	
Diesel Range Organics (C10-C28)	399	25.0	1	03/31/25	03/31/25		
Oil Range Organics (C28-C36)	598	50.0	1	03/31/25	03/31/25		
Surrogate: n-Nonane		101 %	61-141	03/31/25	03/31/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2514012	
Chloride	2330	40.0	2	03/31/25	03/31/25		



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

#### FS141-0' E503253-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	123	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	110	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		98.5 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2514012
Chloride	2680	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS178-0' E503253-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	415	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	230	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		97.7 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	2010	20.0	1	03/31/25	03/31/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS179-0' E503253-09

		2002200 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepared	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	168	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	130	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		100 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2514012
Chloride	2480	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS19-0' E503253-10

		200220 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Foluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
o,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	26.3	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		99.5 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2514012
Chloride	4020	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS21-0' E503253-11

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	35.6	25.0	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	61.8	50.0	1	03/31/25	03/31/25	
Surrogate: n-Nonane		97.7 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2514012
Chloride	6730	100	5	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS114-0' E503253-12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	28.9	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		97.3 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	3190	40.0	2	03/31/25	03/31/25	•



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS115-0' E503253-13

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		97.3 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	928	20.0	1	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS116-0' E503253-14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	31.2	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		100 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	3830	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS117-0' E503253-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	41.8	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	65.8	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		97.9 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	5080	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS123-0' E503253-16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	37.3	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		100 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
Chloride	3380	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS124-0' E503253-17

	E300230 17				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
ND	0.0250	1	03/31/25	04/01/25	
ND	0.0250	1	03/31/25	04/01/25	
ND	0.0250	1	03/31/25	04/01/25	
ND	0.0250	1	03/31/25	04/01/25	
ND	0.0500	1	03/31/25	04/01/25	
ND	0.0250	1	03/31/25	04/01/25	
	101 %	70-130	03/31/25	04/01/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2514015
ND	20.0	1	03/31/25	04/01/25	
	96.6 %	70-130	03/31/25	04/01/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2514019
ND	25.0	1	03/31/25	04/01/25	
ND	50.0	1	03/31/25	04/01/25	
	101 %	61-141	03/31/25	04/01/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2514012
4960	40.0	2	03/31/25	03/31/25	
	mg/kg ND 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           ND         0.0250           I01 %         mg/kg           mg/kg         mg/kg           ND         20.0           96.6 %         mg/kg           ND         25.0           ND         50.0           101 %         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           MD         0.0250         1           MD         70-130         1           Mg/kg         mg/kg         Anal           ND         20.0         1           Mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           101 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0250         1         03/31/25           ND         0.0500         1         03/31/25           ND         0.0250         1         03/31/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/31/25           mg/kg         mg/kg         Analyst: HM           ND         25.0         1         03/31/25           ND         50.0         1         03/31/25           ND         50.0         1         03/31/25           mg/kg         Mg/kg         Analyst: HM	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/31/25         04/01/25           ND         0.0250         1         03/31/25         04/01/25           ND         0.0250         1         03/31/25         04/01/25           ND         0.0500         1         03/31/25         04/01/25           ND         0.0250         1         03/31/25         04/01/25           ND         0.0250         1         03/31/25         04/01/25           mg/kg         mg/kg         Analyst: SL         04/01/25           mg/kg         mg/kg         Analyst: SL         04/01/25           mg/kg         mg/kg         Analyst: HM         03/31/25         04/01/25           ND         25.0         1         03/31/25         04/01/25           ND         50.0         1         03/31/25         04/01/25           ND         50.0         1         03/31/25         04/01/25           MD         50.0         1         03/31/25         04/01/25           MD         61-141         03/31/25         <



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS126-0' E503253-18

		1505255 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
o,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	50.7	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	89.5	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		102 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2514012
Chloride	3910	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS175-0' E503253-19

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	560	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	309	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		104 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2514012
Chloride	2940	40.0	2	03/31/25	03/31/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

#### FS176-0' E503253-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2514015
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2514015
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: HM		Batch: 2514019
Diesel Range Organics (C10-C28)	247	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	204	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		101 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2514012
Chloride	1400	20.0	1	03/31/25	03/31/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

#### FS180-0' E503253-21

		200200 21				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2514007
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KH		Batch: 2514021
Diesel Range Organics (C10-C28)	200	25.0	1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	132	50.0	1	03/31/25	04/01/25	
Surrogate: n-Nonane		90.6 %	61-141	03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2514034
Chloride	1290	20.0	1	03/31/25	04/01/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

#### FS181-0' E503253-22

		2000200 22				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: SL		Batch: 2514007
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		104 %	70-130	03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	03/31/25	04/01/25	
Surrogate: Toluene-d8		108 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		104 %	70-130	03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	03/31/25	04/01/25	
Surrogate: Toluene-d8		108 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KH		Batch: 2514021
Diesel Range Organics (C10-C28)	200	25.0	1	03/31/25	04/03/25	
Oil Range Organics (C28-C36)	176	50.0	1	03/31/25	04/03/25	
Surrogate: n-Nonane		79.8 %	61-141	03/31/25	04/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2514034
Chloride	959	20.0	1	03/31/25	04/01/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

#### FS182-0' E503253-23

	_	Reporting	_			
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL		Batch: 2514007
Benzene	ND	0.0250	1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/25	04/01/25	
Toluene	ND	0.0250	1	03/31/25	04/01/25	
o-Xylene	ND	0.0250	1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250	1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		103 %	70-130	03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		103 %	70-130	03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130	03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2514084
Diesel Range Organics (C10-C28)	1240	25.0	1	03/31/25	04/03/25	
Oil Range Organics (C28-C36)	670	50.0	1	03/31/25	04/03/25	
Surrogate: n-Nonane		94.2 %	61-141	03/31/25	04/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2514034
Chloride	1040	20.0	1	03/31/25	04/01/25	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

#### FS183-0' E503253-24

		1300135-24				
Analyte	Result	Reporting Limit	Dilut	tion Prepare	d Analyzed	Notes
Allalyte	Resuit	Limit	ווווו	non riepare	u Ananyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2514007
Benzene	ND	0.0250	1	03/31/2	5 04/01/25	
Ethylbenzene	ND	0.0250	1	03/31/2	5 04/01/25	
Toluene	ND	0.0250	1	03/31/2	5 04/01/25	
o-Xylene	ND	0.0250	1	03/31/2	5 04/01/25	
p,m-Xylene	ND	0.0500	1	03/31/2	5 04/01/25	
Total Xylenes	ND	0.0250	1	03/31/2	5 04/01/25	
Surrogate: Bromofluorobenzene		101 %	70-130	03/31/2	5 04/01/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/31/2	5 04/01/25	
Surrogate: Toluene-d8		107 %	70-130	03/31/2	5 04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/31/2	5 04/01/25	
Surrogate: Bromofluorobenzene		101 %	70-130	03/31/2	5 04/01/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/31/2	5 04/01/25	
Surrogate: Toluene-d8		107 %	70-130	03/31/2	5 04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2514021
Diesel Range Organics (C10-C28)	588	25.0	1	03/31/2	5 04/03/25	
Oil Range Organics (C28-C36)	310	50.0	1	03/31/2	5 04/03/25	
Surrogate: n-Nonane		86.7 %	61-141	03/31/2	5 04/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2514034
Chloride	1090	20.0	1	03/31/2	5 04/01/25	



Matador Resources, LLC.
Project Name: Big Bucks Fed Com 501H
S400 LBJ Freeway, Suite 1500
Project Number: 23003-0002
Dallas TX, 75240
Project Manager: Ashley Giovengo

Volatile Organic Compounds by EPA 8260B

Apalyst: SL

	V	olatile Organ	ic Compo	unds by El	PA 82601	В			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 (2514007-BLK1)							Prepared: 0	3/31/25 Ana	lyzed: 03/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2514007-BS1)							Prepared: 0	3/31/25 Ana	lyzed: 03/31/25
Benzene	2.24	0.0250	2.50		89.5	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.8	70-130			
Toluene	2.43	0.0250	2.50		97.1	70-130			
p-Xylene	2.46	0.0250	2.50		98.4	70-130			
p,m-Xylene	5.10	0.0500	5.00		102	70-130			
Total Xylenes	7.56	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.529		0.500		106	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
Matrix Spike (2514007-MS1)				Source:	E503247-	05	Prepared: 0	3/31/25 Ana	lyzed: 03/31/25
Benzene	2.29	0.0250	2.50	ND	91.5	48-131			
Ethylbenzene	2.37	0.0250	2.50	ND	94.7	45-135			
Toluene	2.46	0.0250	2.50	ND	98.3	48-130			
o-Xylene	2.50	0.0250	2.50	ND	99.9	43-135			
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike Dup (2514007-MSD1)				Source:	E503247-	05	Prepared: 0	3/31/25 Ana	lyzed: 03/31/25
Benzene	2.14	0.0250	2.50	ND	85.7	48-131	6.53	23	
Ethylbenzene	2.24	0.0250	2.50	ND	89.7	45-135	5.40	27	
Toluene	2.33	0.0250	2.50	ND	93.0	48-130	5.58	24	
o-Xylene	2.37	0.0250	2.50	ND	94.7	43-135	5.39	27	
p,m-Xylene	4.94	0.0500	5.00	ND	98.9	43-135	4.93	27	
Total Xylenes	7.31	0.0250	7.50	ND	97.5	43-135	5.08	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			

0.500

105

70-130

0.524

Surrogate: Toluene-d8

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/4/2025 1:52:15PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2514015-BLK1) Prepared: 03/31/25 Analyzed: 03/31/25 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 7.93 8.00 99.1 70-130 LCS (2514015-BS1) Prepared: 03/31/25 Analyzed: 03/31/25 3.92 78.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 3.86 0.0250 5.00 77.2 70-130 3.92 0.0250 5.00 78.4 70-130 Toluene o-Xylene 3.89 0.0250 5.00 77.8 70-130 7.77 10.0 77.7 70-130 0.0500 p.m-Xvlene 77.7 11.7 15.0 70-130 Total Xylenes 0.0250 8.00 98.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.85 Matrix Spike (2514015-MS1) Source: E503253-01 Prepared: 03/31/25 Analyzed: 03/31/25 4.47 0.0250 5.00 ND 70-130 Benzene ND 87.5 70-130 Ethylbenzene 4.38 0.0250 5.00 Toluene 4.45 0.0250 5.00 ND 89.1 70-130 4.37 ND 87.4 70-130 5.00 0.0250 o-Xylene p,m-Xylene 8.78 0.0500 10.0 ND 87.8 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.64 8.00 Matrix Spike Dup (2514015-MSD1) Source: E503253-01 Prepared: 03/31/25 Analyzed: 03/31/25

4.25

4.17

4 24

4.16

8.38

12.5

7.74

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

85.0

83.4

84.8

83.2

83.8

83.6

96.7

70-130

70-130

70-130

70-130

70-130

70-130

70-130

4.99

4.79

4 92

4.87

4.70

4.75

27

26

20

25

23

26



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

## **QC Summary Data**

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: Project Number: 23003-0002 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/4/2025 1:52:15PM

		ED 1 004 ED	~ ~ ~
Nonhalogenated	Organics by	EPA 8015D -	(łR()

Analyst: SL
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Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514007-BLK1)							Prepared: 0	3/31/25 Anal	yzed: 03/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2514007-BS2)							Prepared: 0	3/31/25 Anal	yzed: 03/31/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.3	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			
Matrix Spike (2514007-MS2)				Source:	E503247-0	05	Prepared: 0	3/31/25 Anal	yzed: 03/31/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
Matrix Spike Dup (2514007-MSD2)				Source:	E503247-0	05	Prepared: 0	3/31/25 Anal	yzed: 03/31/25
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	1.19	20	
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			

0.500

0.500

0.491

0.531

98.2

106

70-130

70-130



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

#### **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go				4/4/2025 1:52:15PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD %	RPD Limit %	Notes		
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes		
Blank (2514015-BLK1)							Prepared: 0	3/31/25 A	nalyzed: 03/31/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130					
LCS (2514015-BS2)							Prepared: 0	3/31/25 A	nalyzed: 03/31/25		
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.3	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.01		8.00		100	70-130					
Matrix Spike (2514015-MS2)				Source:	E503253-	01	Prepared: 0	3/31/25 A	nalyzed: 03/31/25		
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130					
Matrix Spike Dup (2514015-MSD2)				Source:	E503253-	01	Prepared: 0	3/31/25 A	nalyzed: 03/31/25		

50.0

8.00

ND

96.8

104

2.79

20

70-130

70-130

48.4

8.29

20.0

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

Dallas 1A, /3240		Project Manage	r: As	sniey Gloveng	30				4/4/2023 1.32.13FW
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514019-BLK1)							Prepared: 0	3/31/25 An	nalyzed: 03/31/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.1		50.0		92.3	61-141			
LCS (2514019-BS1)							Prepared: 0	3/31/25 An	nalyzed: 03/31/25
Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	47.3		50.0		94.7	61-141			
Matrix Spike (2514019-MS1)				Source:	E503253-	03	Prepared: 0	3/31/25 An	nalyzed: 03/31/25
Diesel Range Organics (C10-C28)	329	25.0	250	78.5	100	56-156			
Surrogate: n-Nonane	48.2		50.0		96.4	61-141			
Matrix Spike Dup (2514019-MSD1)				Source:	E503253-	03	Prepared: 0	3/31/25 An	nalyzed: 03/31/25
Diesel Range Organics (C10-C28)	336	25.0	250	78.5	103	56-156	1.88	20	
Surrogate: n-Nonane	47.8		50.0		95.5	61-141			

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

Dallas 1X, /5240		Project Manager	r: As	niey Gioveng	go				4/4/2025 1:52:15PM
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KH
nalyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514021-BLK1)							Prepared: 03	3/31/25 A	nalyzed: 04/01/25
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.3		50.0		101	61-141			
CS (2514021-BS1)							Prepared: 03	3/31/25 A	nalyzed: 04/01/25
iesel Range Organics (C10-C28)	236	25.0	250		94.6	66-144			
urrogate: n-Nonane	46.5		50.0		93.1	61-141			
latrix Spike (2514021-MS1)				Source:	E503251-0	03	Prepared: 03	3/31/25 A	nalyzed: 04/01/25
iesel Range Organics (C10-C28)	238	25.0	250	ND	95.4	56-156			
urrogate: n-Nonane	46.5		50.0		93.0	61-141			
Matrix Spike Dup (2514021-MSD1)				Source:	E503251-0	03	Prepared: 03	3/31/25 A	nalyzed: 04/01/25
iesel Range Organics (C10-C28)	238	25.0	250	ND	95.4	56-156	0.00621	20	

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/4/20251:52:15PM

Danas 17, 73240		1 Toject Ivianage	. As	sincy Gloveng	30				11 11 2023 1.32.131 10
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514084-BLK1)							Prepared: 0	4/03/25 An	alyzed: 04/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.6		50.0		91.1	61-141			
LCS (2514084-BS1)							Prepared: 0	4/03/25 An	alyzed: 04/03/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.7	66-144			
Surrogate: n-Nonane	47.9		50.0		95.7	61-141			
Matrix Spike (2514084-MS1)				Source:	E504009-0	09	Prepared: 0	4/03/25 An	alyzed: 04/03/25
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	56-156			
Surrogate: n-Nonane	46.0		50.0		91.9	61-141			
Matrix Spike Dup (2514084-MSD1)				Source:	E504009-0	09	Prepared: 0	4/03/25 An	alyzed: 04/03/25
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	56-156	2.29	20	
Surrogate: n-Nonane	46.8		50.0		93.6	61-141			

Chloride

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501H 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/4/2025 1:52:15PM

Dallas TX, /5240		Project Manage	r: As	sniey Gioveng	go				4/4/2023 1	:52:15PM
Anions by EPA 300.0/9056A Analyst: DT										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %		otes
Blank (2514012-BLK1)							Prepared: 0	3/31/25	Analyzed: 03	/31/25
Chloride	ND	20.0								
LCS (2514012-BS1)							Prepared: 0	3/31/25	Analyzed: 03	/31/25
Chloride	257	20.0	250		103	90-110				
Matrix Spike (2514012-MS1)				Source:	E503253-	03	Prepared: 0	3/31/25	Analyzed: 03	/31/25
Chloride	2770	20.0	250	2320	182	80-120			1	M4
Matrix Spike Dup (2514012-MSD1)				Source:	E503253-	03	Prepared: 0	3/31/25	Analyzed: 03	/31/25

250

20.0

2320

108

80-120

6.90

2590



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Big Bucks Fed (	Com 501H				Reported:
Dallas TX, 75240		Project Manager:	A	Ashley Gioveng	o				4/4/2025 1:52:15PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				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 (2514034-BLK1)							Prepared: (	)3/31/25	Analyzed: 04/01/25
Chloride	ND	20.0							
LCS (2514034-BS1)							Prepared: (	03/31/25	Analyzed: 04/01/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2514034-MS1)				Source:	E503251-0	2	Prepared: (	03/31/25	Analyzed: 04/01/25
Chloride	510	40.0	250	249	104	80-120			
Matrix Spike Dup (2514034-MSD1)				Source:	E503251-0	2	Prepared: (	03/31/25	Analyzed: 04/01/25
Chloride	501	40.0	250	249	101	80-120	1.83	20	

#### QC Summary Report Comment:

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



## **Definitions and Notes**

l	Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/04/25 13:52

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.



Page	<u>3</u>	of	<u> 2</u>
			~

	Clie	nt Inform	nation			Invoice Information				Lab Use Only						TAT				State			
Client: M	atador_					Compa	ny: Ensolum L	LC		Lab	WO	-		1 dol				1D	2D :	3D St	d	NM CO UT	TX
	lig Bucks FEC						s: 3122 Nation			<u>E</u> 9	<u> 203</u>	a5	3	<i>2</i> 30	03.	$\infty$	2			Х		X	
	lanager: Asl						ate, Zip: Carlsb		0	<u> </u>													
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	e, Zip: Carls		88220		<b>→</b> 1	Email: agiovengo@ensolum.com						l i		ŀ		ŀ	- 1				Ļ	SDWA CWA	RCRA
	75-988-005				<b>⊣</b> i	Miscella	neous:										- 1				L		
<u>Email: a</u>	<u>iovengo@e</u>	nsolum.c	om								8015	8015							- 1		<u> </u>	Compliance Y	or N
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						e that tamp	pering with or intenti	onally mislabeling	the sar	nple locatio	n, date	or time	e of col	lection	is con	sidere	d fraud	and r	may be	grounds	for l	egal action.	
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Lich	ed by: (Signatur	ge)	Date	8-25	Time		eived by: /Signatur	Va.	Date 2	31.25	Time	30				AVG	Tem	o°C	 4			<u></u>	
Sample Mat	rix: S - Soil, Sd - Se	olid, Sg - Slu				u	my	WW.	Con	ainer Ty	e: g -	glass,	, <b>p</b> - p	oly/p						VOA	Т		
	Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.									client	expe	bove											



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Page	4	of	

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Client Information						Invoice Information				Lab Use Only							TAT				St	ate	
Client: N	latador				Company: Ensolum LLC				Lab	Lab WO# Job Number							1D	2D	3D	Std	NM CO L	т тх	T
Project:	Big Bucks Fe	d Com 50	)1H		Address: 3122 National Parks Hwy					250		3	23	2303,000					_	x	×		$\top$
	lanager: As					City, State, Zip: Carlsbad NM, 88220																	
	3122 Nation				P	Phone: 575-988-0055			[]	Analysis and M							nod				EPA Prog	ram	
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	nsolum.con					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	•			•		_				•		_		•		
, (field samp	ler), attest to the	validity and	l authentici	ty of this sampl	le. I am aware t	hat tampering with or intentional	ly mislabeling t	he sample	location	, date	or time	of co	llection	is cor	sidere	d frau	dand	may be	grour	nds for	legal action.		
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Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
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Released to Imaging: 7/14/2025 3:02:16 PM

Client Information						Invoice Information			Lab Use Only								TAT				State
Client: N	/latador				Company: Ensolum LLC L			Lab WO# Job Number								1D 2D 3D Std			Std	NM CO UT TX	
Project: Big Bucks Fed Com 501H						Address: 3122 National Parks Hwy			E503253 2303:00Z										- 1:	x	x
Project N	/lanager: Asl	hley Giov	engo		!	City, State, Zip: Carlsbad NM, 88220															
Address:	3122 Nation	nal Parks	Hwy		[	Phone: 575-988-0055			Analysis a							and Method					EPA Program
City, Stat	e, Zip: Carls	bad NM,	88220		Email: agiovengo@ensolum.com			. [												SDWA CWA RCRA	
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ı, (field samp	oler), attest to the Oluwale Aderi	، معااورین sug	authenticit	y of this sampi caleって。	e. Tam aware	that tampering with or intentionally mislabe	ing the s	ample loc	ation,	, date (	or time	or co	llection	is cor	isidere	ed Trau	a ana i	тау ре	Bronn	eas for	legal action.
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	lote: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above																				



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Printed: 3/31/2025 11:19:08AM

#### **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.

			,		3	
Client:	Matador Resources, LLC.	Date Received:	03/31/25	07:30	Work Order ID:	E503253
Phone:	(972) 371-5200	Date Logged In:	03/31/25	08:01	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/04/25	17:00 (4 day TAT)		
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC)  e sample ID match the COC?  e number of samples per sampling site location match  umples dropped off by client or carrier?  e COC complete, i.e., signatures, dates/times, requested  1 samples received within holding time?	ed analyses?	Yes Yes Yes Yes	Carrier: <u>C</u>	<u>Courier</u>	
	Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion				Comment	ts/Resolution
Sample T	urn Around Time (TAT)					
	COC indicate standard TAT, or Expedited TAT?		Yes		Project big bucks has b	een separated into
Sample C	<u>ooler</u>				2 reports due to sample	volume. WO are
7. Was a s	ample cooler received?		Yes		E503252 & E503253.	
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			
	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 risible ice, record the temperature. Actual sample to	received w/i 15	Yes			
Sample C	ontainer	•	_			
	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 containe	rs collected?	Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·					
Sa Da	Tield sample labels filled out with the minimum information in the minimum	mation:	Yes Yes Yes			
Sample P	<u>reservation</u>					
21. Does t	he COC or field labels indicate the samples were pre-	served?	No			
22. Are sa	mple(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved meta	als?	No			
Multipha	se Sample Matrix					
26. Does t	he sample have more than one phase, i.e., multiphase	?	No			
27. If yes,	does the COC specify which phase(s) is to be analyz	ed?	NA			
Subcontra	act Laboratory					
28. Are sa	mples required to get sent to a subcontract laboratory subcontract laboratory specified by the client and if s		No NA	Subcontract Lab	o: NA	
	struction					
<u>Chent In</u>	<u>struction</u>					

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: Big Bucks Fed Com 501H

Work Order: E503257

Job Number: 23003-0002

Received: 4/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/7/25

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

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

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

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

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

Date Reported: 4/7/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E503257

Date Received: 4/1/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/1/2025 7:30:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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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## **Sample Summary**

_				
ſ	Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Reported:
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported.
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/07/25 08:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS201-0'	E503257-01A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS202-0'	E503257-02A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS203-0'	E503257-03A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS204-0'	E503257-04A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS209-0'	E503257-05A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS210-0'	E503257-06A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS212-0'	E503257-07A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS213-0'	E503257-08A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS214-0'	E503257-09A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS215-0'	E503257-10A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS217-0'	E503257-11A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS219-0'	E503257-12A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS220-0'	E503257-13A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS221-0'	E503257-14A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
FS222-0'	E503257-15A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

## FS201-0' E503257-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	117	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	66.4	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		107 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2514040
Chloride	2130	20.0	1	04/01/25	04/02/25	

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## FS202-0' E503257-02

		E303237-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	177	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	137	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		106 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: AK		Batch: 2514040
Chloride	867	20.0	1	04/01/25	04/02/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

## FS203-0' E503257-03

	E303237-03				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2514044
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0500	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
	98.1 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2514044
ND	20.0	1	04/01/25	04/02/25	
	92.9 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Ana	alyst: AF		Batch: 2514038
222	25.0	1	04/01/25	04/01/25	
124	50.0	1	04/01/25	04/01/25	
	103 %	61-141	04/01/25	04/01/25	
mg/kg	mg/kg	Ana	alyst: AK		Batch: 2514040
2130	20.0	1	04/01/25	04/02/25	
	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         20.0250           98.1 %         mg/kg           MD         20.0           92.9 %         mg/kg           mg/kg         mg/kg           124         50.0           103 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Ana           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           98.1 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           92.9 %         70-130         1           mg/kg         mg/kg         Ana           222         25.0         1           124         50.0         1           103 %         61-141           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0500         1         04/01/25           ND         0.0250         1         04/01/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/01/25           mg/kg         mg/kg         Analyst: AF           222         25.0         1         04/01/25           124         50.0         1         04/01/25           mg/kg         61-141         04/01/25           mg/kg         mg/kg         Analyst: AK	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0500         1         04/01/25         04/02/25           ND         0.0500         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: SL         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: SL         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: AF         04/01/25         04/02/25           124         50.0         1         04/01/25         04/01/25           103 %         61-141         04/01/25         04/01/25           mg/kg         mg/kg         Analyst: AK

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## FS204-0' E503257-04

	E305237 04				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2514044
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0500	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
	96.1 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2514044
ND	20.0	1	04/01/25	04/02/25	
	96.4 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2514038
568	25.0	1	04/01/25	04/01/25	
303	50.0	1	04/01/25	04/01/25	
	104 %	61-141	04/01/25	04/01/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2514040
2290	20.0	1	04/01/25	04/02/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND  mg/kg 568 303	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           96.1 %         mg/kg           Mg/kg         mg/kg           ND         20.0           96.4 %         mg/kg           mg/kg         568         25.0           303         50.0           104 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           96.1 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           96.4 %         70-130           mg/kg         mg/kg         Anal           568         25.0         1           303         50.0         1           104 %         61-141         61-141           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0500         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           mg/kg         Malyst: SL         ND         04/01/25           mg/kg         Mg/kg         Analyst: SL         ND           96.4 %         70-130         04/01/25         04/01/25           mg/kg         mg/kg         Analyst: AF         568         25.0         1         04/01/25           303         50.0         1         04/01/25         04/01/25           mg/kg         mg/kg         Analyst: AK         Analyst: AK	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0500         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: AF           568         25.0         1         04/01/25         04/01/25           303         50.0         1         04/01/25         04/01/25           mg/kg         mg/kg         Analyst: AF



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## FS209-0' E503257-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	98.8	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	56.8	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		103 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2514040
Chloride	1970	20.0	1	04/01/25	04/02/25	•



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

## FS210-0' E503257-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	213	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	156	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		103 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: AK		Batch: 2514040
Chloride	4960	40.0	2	04/01/25	04/02/25	<del></del>



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

## FS212-0' E503257-07

		1305237 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	159	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	85.3	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		103 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2514040
Chloride	757	20.0	1	04/01/25	04/02/25	



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## FS213-0' E503257-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	114	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	63.7	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		101 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2514040
Chloride	618	20.0	1	04/01/25	04/02/25	



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## FS214-0' E503257-09

		1305237 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
-Xylene	ND	0.0250	1	04/01/25	04/02/25	
o,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	210	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	111	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		102 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: AK		Batch: 2514040
Chloride	665	20.0	1	04/01/25	04/02/25	



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## FS215-0' E503257-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	148	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	57.4	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		104 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2514040
Chloride	172	20.0	1	04/01/25	04/02/25	·



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## FS217-0' E503257-11

		E303237-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	48.0	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/25	04/01/25	
Surrogate: n-Nonane		106 %	61-141	04/01/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2514040
Chloride	214	20.0	1	04/01/25	04/02/25	



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## FS219-0' E503257-12

		E503257-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	154	25.0	1	04/01/25	04/02/25	
Oil Range Organics (C28-C36)	87.6	50.0	1	04/01/25	04/02/25	
Surrogate: n-Nonane		105 %	61-141	04/01/25	04/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2514040
Chloride	561	20.0	1	04/01/25	04/02/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

## FS220-0' E503257-13

		E303237-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL	· · · · · · · · · · · · · · · · · · ·	Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/02/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/02/25	
Toluene	ND	0.0250	1	04/01/25	04/02/25	
o-Xylene	ND	0.0250	1	04/01/25	04/02/25	
o,m-Xylene	ND	0.0500	1	04/01/25	04/02/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/02/25	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	04/01/25	04/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: AF		Batch: 2514038
Diesel Range Organics (C10-C28)	219	25.0	1	04/01/25	04/02/25	
Oil Range Organics (C28-C36)	167	50.0	1	04/01/25	04/02/25	
Surrogate: n-Nonane		108 %	61-141	04/01/25	04/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: AK		Batch: 2514040
Chloride	1720	20.0	1	04/01/25	04/02/25	
Cilionac	1,20	20.0	-			



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

## FS221-0' E503257-14

	E303237-14				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
			•		Batch: 2514044
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0500	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
	96.6 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2514044
ND	20.0	1	04/01/25	04/02/25	
	95.0 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2514038
293	25.0	1	04/01/25	04/02/25	
235	50.0	1	04/01/25	04/02/25	
	105 %	61-141	04/01/25	04/02/25	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2514040
850	20.0	1	04/01/25	04/02/25	
	mg/kg ND ND ND ND ND ND ND ND The state of t	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           mg/kg         mg/kg           Mg/kg         mg/kg           mg/kg         mg/kg           293         25.0           235         50.0           105 %         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         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           96.6%         70-130         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           95.0%         70-130         70-130           mg/kg         mg/kg         Analy           293         25.0         1           293         25.0         1           105%         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Manalyst: SL           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0500         1         04/01/25           ND         0.0250         1         04/01/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/01/25           mg/kg         mg/kg         Analyst: AF           293         25.0         1         04/01/25           mg/kg         50.0         1         04/01/25           105 %         61-141         04/01/25           mg/kg         Mg/kg         Analyst: AK	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0500         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: SL         04/02/25           mg/kg         mg/kg         Analyst: SL         04/02/25           mg/kg         mg/kg         Analyst: AF         04/02/25           293         25.0         1         04/01/25         04/02/25           293         25.0         1         04/01/25         04/02/25           293         25.0         1         04/01/25         04/02/25           293         25.0         1         04/01/25         04/02/25           295         50.0



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

## FS222-0' E503257-15

	1300237 13				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2514044
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
ND	0.0500	1	04/01/25	04/02/25	
ND	0.0250	1	04/01/25	04/02/25	
	97.3 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2514044
ND	20.0	1	04/01/25	04/02/25	
	99.3 %	70-130	04/01/25	04/02/25	
mg/kg	mg/kg	Analy	yst: AF		Batch: 2514038
141	25.0	1	04/01/25	04/02/25	
144	50.0	1	04/01/25	04/02/25	
	107 %	61-141	04/01/25	04/02/25	
mg/kg	mg/kg	Analy	yst: AK		Batch: 2514040
534	20.0	1	04/01/25	04/02/25	
	mg/kg ND ND ND ND ND ND ND ND 141 144	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           97.3 %         mg/kg           MD         20.0           99.3 %         mg/kg           mg/kg         mg/kg           141         25.0           144         50.0           107 %         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           97.3 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           99.3 %         70-130           mg/kg         mg/kg         Analy           141         25.0         1           144         50.0         1           107 %         61-141         61-141           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0500         1         04/01/25           ND         0.0250         1         04/01/25           ND         0.0250         1         04/01/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/01/25           mg/kg         mg/kg         Analyst: AF           141         25.0         1         04/01/25           144         50.0         1         04/01/25           144         50.0         1         04/01/25           mg/kg         mg/kg         Analyst: AF	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0500         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           ND         0.0250         1         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: SL         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: SL         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: AF         04/01/25         04/02/25           141         25.0         1         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: AF         04/01/25         04/02/25           144         50.0         1         04/01/25         04/02/25           mg/kg         mg/kg         Analyst: AK         04/01/25         04/02/25



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501H 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2025 8:05:31AM

Dallas TX, 75240		Project Manager:		shley Gioveng	o				4/7/2025 8:05:31AM		
Volatile Organics by EPA 8021B  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 (2514044-BLK1)							Prepared: 0	4/01/25 Ar	nalyzed: 04/01/25		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
p-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130					
LCS (2514044-BS1)							Prepared: 0	4/01/25 Ar	nalyzed: 04/01/25		
Benzene	4.39	0.0250	5.00		87.7	70-130					
Ethylbenzene	4.35	0.0250	5.00		87.1	70-130					
Toluene	4.41	0.0250	5.00		88.2	70-130					
p-Xylene	4.38	0.0250	5.00		87.7	70-130					
o,m-Xylene	8.76	0.0500	10.0		87.6	70-130					
Total Xylenes	13.1	0.0250	15.0		87.6	70-130					
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130					
LCS Dup (2514044-BSD1)							Prepared: 0	4/01/25 Ar	nalyzed: 04/01/25		
Benzene	4.39	0.0250	5.00		87.9	70-130	0.185	20			
Ethylbenzene	4.37	0.0250	5.00		87.4	70-130	0.396	20			
Toluene	4.42	0.0250	5.00		88.4	70-130	0.203	20			
p-Xylene	4.40	0.0250	5.00		88.1	70-130	0.439	20			
o,m-Xylene	8.79	0.0500	10.0		87.9	70-130	0.334	20			
Total Xylenes	13.2	0.0250	15.0		88.0	70-130	0.369	20			

70-130



## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/7/20258:05:31AM

Nonhalogenated	Organics 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 (2514044-BLK1)						Prepared: 0	4/01/25	Analyzed: 04/01/25
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00	97.6	70-130			
LCS (2514044-BS2)						Prepared: 0	4/01/25	Analyzed: 04/01/25
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00	98.0	70-130			
LCS Dup (2514044-BSD2)						Prepared: 0	4/01/25	Analyzed: 04/01/25
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	92.5	70-130	8.80	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00	94.0	70-130			



## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/7/20258:05:31AM

,		, ,		, ,	-				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			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 (2514038-BLK1)							Prepared: 0	4/01/25 An	alyzed: 04/01/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.9		50.0		104	61-141			
LCS (2514038-BS1)							Prepared: 0	4/01/25 An	alyzed: 04/01/25
Diesel Range Organics (C10-C28)	263	25.0	250		105	66-144			
Surrogate: n-Nonane	53.5		50.0		107	61-141			
Matrix Spike (2514038-MS1)				Source:	E503257-0	03	Prepared: 0	4/01/25 An	alyzed: 04/01/25
Diesel Range Organics (C10-C28)	504	25.0	250	222	113	56-156			
Surrogate: n-Nonane	53.1		50.0		106	61-141			
Matrix Spike Dup (2514038-MSD1)				Source:	E503257-0	03	Prepared: 0	4/01/25 An	alyzed: 04/01/25
Diesel Range Organics (C10-C28)	475	25.0	250	222	101	56-156	5.84	20	
Surrogate: n-Nonane	51.7		50.0		103	61-141			



## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Big Bucks Fed 0	Com 501H				Reported:
Dallas TX, 75240		Project Manager:	A	Ashley Gioveng	o				4/7/2025 8:05:31AM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>.</b>				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514040-BLK1)							Prepared: 0-	4/01/25	Analyzed: 04/02/25
Chloride	ND	20.0							
LCS (2514040-BS1)							Prepared: 0	4/01/25	Analyzed: 04/02/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2514040-MS1)				Source:	E503257-0	2	Prepared: 0	4/01/25	Analyzed: 04/02/25
Chloride	998	20.0	250	867	52.5	80-120			M4
Matrix Spike Dup (2514040-MSD1)				Source:	E503257-0	2	Prepared: 0	4/01/25	Analyzed: 04/02/25
Chloride	1100	20.0	250	867	93.4	80-120	9.76	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**

ſ	Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/07/25 08:05

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.

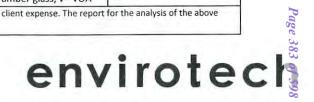
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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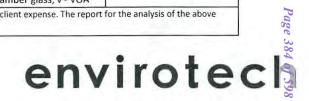
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0910	3/28/2025	S	1			204		4						х								
0907	3/28/2025	S	1			209		5						Х								
0925	3/28/2025	S	1			210		6						х								
040	3/28/2025	S	1			212		7						х								
0843	3/28/2025	S	1			213		8						х								
0846	3/28/2025	S	1			214		9						х								
0837	3/28/2025	S	1			215		10						х								
Addition	al Instruction	ns: Ple	ase CC: ag	iovengo(	@ensolum.	com, chamilton@ensol	lum.com, iestrel	la@ensc	olum.	com,	bsim	mor	is@e	nsolu	ım.c	om,	jgonz	zalez@	ens	solum.com		
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Client: M	atador				C	ompany: Enso	olum LLC		Lab	o WC	)#		Job	Num	ber		1D	2D	3D Std		NM	CO UT	TX
	Big Bucks FED	COM 5	01H		_		National Parks Hwy				375	7	23	2003	000	50			X	4	X		
	lanager: Asl						Carlsbad NM, 8822			<i></i> .							-			4			-
50 - 10 Con - 10 Con	3122 Nation		1274			none: 575-98			_	Analysis and Method										FP	A Progra	m	
	e, Zip: Carls						ngo@ensolum.com			-		1	T	,,,,,,,						SD	WA	CWA	RCRA
	75-988-005		00220			Miscellaneous:									10					- 50	-	CITA	T.C.
7.7	giovengo@ei					iscellaneous:								8						Com	plianc	ce Y	or N
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Time Sampled	Date Sampled	Matrix	No. of Containe			Sample ID		Field	Lab Numbei	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Kemarks	
0070	3/28/2025	1		7	-								1										
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	3/28/2025					l a			10	1/-													
0850		S	1			1719			12	3	1		1		X	1-0							
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0853	-01-07-02-07	S	1			1220			13	3					Х								
	3/28/2025	-	1			1					1		1										
0856	- 100	S	1			122		1	14						Х								
250	3/28/2025								-									1					
0359		S	1			1722	31		15						X		1-1						
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9 (																							
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Addition	al Instructio	nc. Dlo:	ase CC.	agiovengo	@ensolum c	om chamilton	n@ensolum.com, ie	strol	la@enso	lum	com	hsin	nmor	s@e	nsol	um (	om	igon	zalez@er	solu	m co	m	
Addition	ai ilistractio	113. 1100	ase ce.	авточеньо	e chisolani.c	om, chamilton	ie chisolamicom, ic	36,61	ide criso	, aiii		, 55		150-0			,	160	andre e.				
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Sampled by:	100			, , , , , , , , , , , , , , , , , , , ,																			
	ed by: (Signatur	ACTION AND ADDRESS OF THE PERSON OF THE PERS	D	ate, ,	Time	Received by:	Signature) a	Date		Tin	ne				Sampl	les requ	uiring th	ermal p	reservation m	ust be i	received	on ice the da	y they are
-	. Hinhle			3/3/125	1100	Vickell	signature)	13.	31.25	5	1101	0			sampl	ed or r	eceived	packed	in ice at an av	g temp	above 0	but less than	6 °C on
Relinguish	d bwn (Signatur	e) n	D	ate	Time	Received by: (	Signature)	Date	-	Tim	ne		1		subse	quent i	davs		Lab U	se O	nlv		
Mich	ed by (Signatur	enzale	es :	3-31-25	1100	Maris	Signature)	43	31-2	5/	10)	)			Rec	eive	d on	ice:	110				
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_	d by: (Signalur			ate	Time	Received by:	Signature)	Date		Tin	ne		-		11			_			_		
11	S. Dy. (Signatur	1		1-31-25	00:00	1 Bet	1. Min-	4.	2.75	7	131	7			AVC	i Ter	mp °C	. 4	4				
Sample Mat	rix: <b>S</b> - Soji, <b>S</b> d - So	olid. Se - Shu				Lun	- jour	Con	tainer Ty	pe: p	- glas	SS, p -	poly/	plasti					- VOA	T			
						er arrangements a	are made. Hazardous sa													for th	ne anal	ysis of the	above
							ability of the laboratory																





envirotech Inc.

Printed: 4/1/2025 8:25:25AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

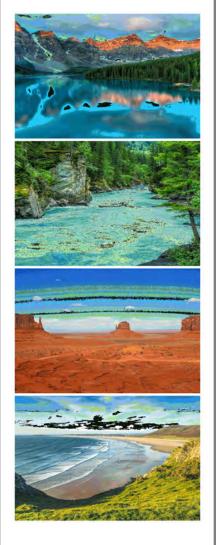
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	04/01/25 (	07:30	Work Order ID:	E503257
Phone:	(972) 371-5200	Date Logged In:	03/31/25	14:34	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/07/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: Cou	<u>ırier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	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 disucssi		Yes	_	<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>ooler</u>					
	ample 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			
	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 C			
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 contain		Yes			
Field Lab	el					
20. Were 1	— field sample labels filled out with the minimum info	ormation:				
Sa	imple ID?		Yes			
	ate/Time Collected?		Yes	_		
	ollectors name?		Yes			
	reservation		NT.			
	the COC or field labels indicate the samples were pr	reserveu?	No			
	mple(s) correctly preserved? filtration required and/or requested for dissolved me	atolo?	NA Na			
	•	ctais:	No			
	se Sample Matrix	0				
	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	zed?	NA			
Subcontr	act Laboratory					
	mples required to get sent to a subcontract laborato	•	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: N	NA	
Client 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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: Big Bucks Fed Com 501H

Work Order: E504097

Job Number: 23003-0002

Received: 4/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/18/25

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

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

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

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

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

Date Reported: 4/18/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E504097

Date Received: 4/14/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/14/2025 7:45:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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: 775 207 1702

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/18/25 09:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS23-0	E504097-01A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS24-0	E504097-02A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS25-0	E504097-03A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS26-0	E504097-04A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS28-0	E504097-05A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS29-0	E504097-06A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS30-0	E504097-07A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS33-0	E504097-08A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS34-0	E504097-09A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS35-0	E504097-10A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS37-0	E504097-11A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS38-0	E504097-12A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS40-0	E504097-13A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS41-0	E504097-14A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS45-0	E504097-15A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS46-0	E504097-16A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS47-0	E504097-17A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS48-0	E504097-18A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS49-0	E504097-19A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS51-0	E504097-20A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

## FS23-0 E504097-01

E30407/-01							
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes		
mg/kg	mg/kg	Analy	•		Batch: 2516003		
ND	0.0250	1	04/14/25	04/14/25			
ND	0.0250	1	04/14/25	04/14/25			
ND	0.0250	1	04/14/25	04/14/25			
ND	0.0250	1	04/14/25	04/14/25			
ND	0.0500	1	04/14/25	04/14/25			
ND	0.0250	1	04/14/25	04/14/25			
	101 %	70-130	04/14/25	04/14/25			
mg/kg	mg/kg	Analy	rst: BA		Batch: 2516003		
ND	20.0	1	04/14/25	04/14/25			
	95.0 %	70-130	04/14/25	04/14/25			
mg/kg	mg/kg	Analy	rst: NV		Batch: 2516009		
76.8	25.0	1	04/14/25	04/16/25			
60.2	50.0	1	04/14/25	04/16/25			
	114 %	61-141	04/14/25	04/16/25			
mg/kg	mg/kg	Analy	rst: RAS		Batch: 2516016		
2130	40.0	2	04/14/25	04/14/25			
	mg/kg ND ND ND ND ND ND ND ND To ND ND ND ND Mg/kg ND  mg/kg 76.8 60.2	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           I01 %         mg/kg           mg/kg         mg/kg           ND         20.0           95.0 %         mg/kg           mg/kg         mg/kg           76.8         25.0           60.2         50.0           114 %         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         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           95.0 %         70-130           mg/kg         mg/kg         Analy           76.8         25.0         1           60.2         50.0         1           114 %         61-141         1           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: BA           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0500         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         04/14/25           mg/kg         mg/kg         Analyst: NV           76.8         25.0         1         04/14/25           mg/kg         50.0         1         04/14/25           mg/kg         61-141         04/14/25           mg/kg         mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         04/14/25         04/14/25           ND         0.0250         1         04/14/25         04/14/25           ND         0.0250         1         04/14/25         04/14/25           ND         0.0500         1         04/14/25         04/14/25           ND         0.0250         1         04/14/25         04/14/25           ND         0.0250         1         04/14/25         04/14/25           Mg/kg         mg/kg         Analyst: BA           ND         20.0         1         04/14/25         04/14/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         04/14/25         04/14/25           mg/kg         mg/kg         Analyst: NV           76.8         25.0         1         04/14/25         04/16/25           60.2         50.0         1         04/14/25         04/16/25           mg/kg         mg/kg         Analyst: RAS         04/16/25		

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

## FS24-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	27.5	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2516016
Chloride	4410	40.0	2	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

## FS25-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	51.5	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		114 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2516016
Chloride	1460	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

## FS26-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	42.6	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		110 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2516016
Chloride	1730	20.0	1	04/14/25	04/14/25	<del>-</del>



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

## FS28-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	53.7	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2516016
Chloride	6690	100	5	04/14/25	04/14/25	·



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

## FS29-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		117 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2516016
Chloride	3530	40.0	2	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS30-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	662	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	235	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2516016
Chloride	2540	40.0	2	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS33-0

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516059
Diesel Range Organics (C10-C28)	158	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	207	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		110 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2516016
Chloride	1970	40.0	2	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS34-0

		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	129	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	178	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2516016
Chloride	3370	40.0	2	04/14/25	04/14/25	•



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS35-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/14/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/14/25	
Toluene	ND	0.0250	1	04/14/25	04/14/25	
o-Xylene	ND	0.0250	1	04/14/25	04/14/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/14/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/14/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	04/14/25	04/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	77.0	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	82.9	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		113 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2516016
Chloride	3610	40.0	2	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS37-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	1380	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	489	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2516016
Chloride	2480	40.0	2	04/14/25	04/14/25	<del></del>



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS38-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	383	25.0	1	04/14/25	04/16/25	
Oil Range Organics (C28-C36)	262	50.0	1	04/14/25	04/16/25	
Surrogate: n-Nonane		111 %	61-141	04/14/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2516016
Chloride	1960	40.0	2	04/14/25	04/14/25	•



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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#### FS40-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	509	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	219	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		116 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2516016
Chloride	2580	40.0	2	04/14/25	04/14/25	



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#### FS41-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	727	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	811	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2516016
Chloride	3620	40.0	2	04/14/25	04/14/25	•



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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#### FS45-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	329	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	293	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2516016
Chloride	3420	40.0	2	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS46-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	504	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	134	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2516016
Chloride	1940	40.0	2	04/14/25	04/14/25	<del></del>



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS47-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	796	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	70.3	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2516016
Chloride	2480	40.0	2	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS48-0

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	615	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	65.1	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2516016
Chloride	922	20.0	1	04/14/25	04/14/25	<del></del>



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS49-0

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	2120	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	246	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2516016
Chloride	1300	20.0	1	04/14/25	04/15/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:31:41AM

#### FS51-0

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2516003
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516009
Diesel Range Organics (C10-C28)	274	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	114	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2516016
Chloride	2690	40.0	2	04/14/25	04/15/25	



## **QC Summary Data**

Matador Resources, LLC. Big Bucks Fed Com 501H Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/18/2025 9:31:41AM **Volatile Organics by EPA 8021B** Analyst: BA RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2516003-BLK1) Prepared: 04/14/25 Analyzed: 04/14/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.4 70-130 LCS (2516003-BS1) Prepared: 04/14/25 Analyzed: 04/14/25 5.27 5.00 105 70-130 0.0250 Benzene Ethylbenzene 5.23 0.0250 5.00 105 70-130 5.27 70-130 0.0250 5.00 105 Toluene 5.12 102 70-130 o-Xylene 0.0250 5.00 10.5 0.0500 10.0 105 70-130 p,m-Xylene 104 70-130 15.6 0.0250 15.0 Total Xylenes 97.2 70-130 8.00 Surrogate: 4-Bromochlorobenzene-PID 7.78

Matrix Spike (2516003-MS1)			Source:	E504097-	03	Prepared: 04/14/25 Analyzed: 04/14/25	
Benzene	5.37	0.0250	5.00	ND	107	70-130	
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130	
Toluene	5.36	0.0250	5.00	ND	107	70-130	
o-Xylene	5.20	0.0250	5.00	ND	104	70-130	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130	

Matrix Spike Dup (2516003-MSD1)				Source:	E504097-	03	Prepared: 04	4/14/25 Analyzed: 04/14/25
Benzene	5.08	0.0250	5.00	ND	102	70-130	5.45	27
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130	5.32	26
Toluene	5.08	0.0250	5.00	ND	102	70-130	5.29	20
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130	5.41	25
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	5.28	23
Total Xylenes	15.0	0.0250	15.0	ND	100	70-130	5.32	26
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.8	70-130		

Matrix Spike Dup (2516003-MSD2)

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

45.3

7.67

20.0

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:31:41AM

	Project Manager	r: As	hley Gioveng	go			4/	18/2025 9:31:41AM		
Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
						Prepared: 0	4/14/25 Ana	lyzed: 04/14/25		
ND	20.0									
7.64		8.00		95.5	70-130					
						Prepared: 0	4/14/25 Ana	lyzed: 04/14/25		
44.1	20.0	50.0		88.2	70-130					
7.62		8.00		95.3	70-130					
			Source:	E504097-	03	Prepared: 0	4/14/25 Ana	lyzed: 04/14/25		
44.6	20.0	50.0	ND	89.1	70-130					
7.72		8.00		96.5	70-130					
	Result mg/kg  ND  7.64  44.1  7.62	Nonhalogenated   Reporting   Limit   mg/kg   mg/kg     ND   20.0     7.64     44.1   20.0     7.62     44.6   20.0	Nonhalogenated Organics   Nonhalogenated Organics	Nonhalogenated Organics by EPA 80	Nonhalogenated Organics by EPA 8015D - GI   Result	Nonhalogenated Organics by EPA 8015D - GRO    Result	Nonhalogenated Organics by EPA 8015D - GRO   Result   Rec   Limit   Level   Result   Rec   Limits   RPD   mg/kg   mg/kg   mg/kg   mg/kg   % % %   %   %   %   %   %   %   %	Nonhalogenated Organics by EPA 8015D - GRO   Reporting   Spike   Limit   Level   Result   Rec   Limits   RPD   Limit   mg/kg   mg/kg   mg/kg   % % % % % % % %   % % % %   % % % %		

50.0

8.00

Source: E504097-03

90.6

95.9

ND

Prepared: 04/14/25 Analyzed: 04/14/25

20

1.68

70-130

70-130

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:31:41AM

Bullus 171, 732 10		Troject Manage		iney 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 (2516009-BLK1)							Prepared: 0	4/14/25 Anal	yzed: 04/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.2		50.0		108	61-141			
LCS (2516009-BS1)							Prepared: 0	4/14/25 Anal	yzed: 04/16/25
Diesel Range Organics (C10-C28)	294	25.0	250		117	66-144			
Surrogate: n-Nonane	59.2		50.0		118	61-141			
Matrix Spike (2516009-MS1)				Source:	E504097-	01	Prepared: 04/14/25 Analyzed: 04/16/25		
Diesel Range Organics (C10-C28)	392	25.0	250	76.8	126	56-156			
Surrogate: n-Nonane	55.9		50.0		112	61-141			
Matrix Spike Dup (2516009-MSD1)				Source:	E504097-	01	Prepared: 0	4/14/25 Anal	yzed: 04/16/25
Diesel Range Organics (C10-C28)	395	25.0	250	76.8	127	56-156	0.871	20	
Surrogate: n-Nonane	56.1		50.0		112	61-141			

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:31:41AM

Dullus 171, 732 10		Troject Manage	. 710	iney Groveng	-					
	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 (2516059-BLK1)							Prepared: 0-	4/16/25 Analy	zed: 04/17/25	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	53.7		50.0		107	61-141				
LCS (2516059-BS1)							Prepared: 0	4/16/25 Analy	zed: 04/17/25	
Diesel Range Organics (C10-C28)	279	25.0	250		112	66-144				
Surrogate: n-Nonane	53.6		50.0		107	61-141				
Matrix Spike (2516059-MS1)				Source:	Source: E504126-01			Prepared: 04/16/25 Analyzed: 04/17/25		
Diesel Range Organics (C10-C28)	4510	50.0	250	3780	292	56-156			M4	
Surrogate: n-Nonane	60.1		50.0		120	61-141				
Matrix Spike Dup (2516059-MSD1)				Source:	E504126-0	01	Prepared: 0	4/16/25 Analy	zed: 04/17/25	
Diesel Range Organics (C10-C28)	4560	50.0	250	3780	312	56-156	1.06	20	M4	
Surrogate: n-Nonane	60.2		50.0		120	61-141				

Chloride

Chloride

Chloride

Matrix Spike (2516016-MS1)

Matrix Spike Dup (2516016-MSD1)

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	Big Bucks Fed 3003-0002 Ashley Gioven		I			Reported: 4/18/2025 9:31:41AM
Anions by EPA 300.0/9056A							Analyst: RAS		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2516016-BLK1)							Prepared: 0	4/14/25 <i>A</i>	Analyzed: 04/14/25
Chloride	ND	20.0							
LCS (2516016-BS1)							Prepared: 0	4/14/25 A	Analyzed: 04/14/25

250

250

250

20.0

20.0

20.0

255

1720

1880

90-110

80-120

80-120

8.89

Prepared: 04/14/25 Analyzed: 04/14/25

Prepared: 04/14/25 Analyzed: 04/14/25

M4

20

102

104

168

Source: E504097-03

Source: E504097-03

1460

1460

#### 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:	Big Bucks Fed Com 501H	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/18/25 09:31

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.



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r N	27/2025
	1:00:16
	PM

Client Information					П			Inv	voice	e Inform	ation			Lab Use Only							TAT					State	e				
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Time Sampled	Date	Sampled	Ma	atrix	No. c Contair					Sample ID		Field	Lab Numb	ber	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks	
1133	4/10	11225	Sø	15	\				<u> </u>	537-1	),		11							+								
1130			j							38			12							+								
1223										40			13							4								
1224										41			14							1								
1134										45			15	•						+								
6958										46			14	2						4								
0956										47			17							<b>†</b>								
1135										48			18							+								
1136										44			19							4								
1225	Ι,							<u>-</u>		, 51			20	)						7								
Addition	al In:	structio	ns:	Plea	se CC	: cbur	ton@er	nsolum	.com,	agiovengo@en	solum.com, iest	rella@	@enso	lum	.con	n, cha	amili	ton@	ense	olum	.com	, bsi	mme	ons@	ense	olum.com	1,	
ihinkle@																												
I						ticity of	this sample	e. I am av	vare tha	t tampering with or ir	tentionally mislabeling	the sa	mple loca	ation,	, date	or time	of ca	llection	is cor	rsidere	d frau	and i	may be	grous	nds for	legal action.		
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Sample Mat	rix: S -	Soil, <b>Sd</b> - S	olid. S	g - Sluc	ige, A -	Aqueous	s, O - Other				-	Con	tainer	Type	e: g -	glass,	p - p	oly/p	lasti					<del>- vo</del>	Α			
				_					s other	arrangements are	made. Hazardous sa									_						for the anal	ysis of the	above
samples is	applic	able only	to th	nose sa	amples	receive	ed by the l	laborato	ry with	this COC. The liabil	ity of the laborator	is limi	ited to t	he a	moun	t paid	for o	n the	repor	t.								



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Printed: 4/14/2025 9:09:21AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

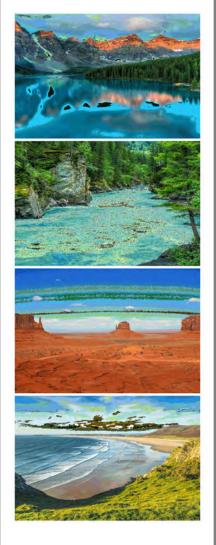
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	04/14/25 0	7:45		Work Order ID:	E504097
Phone:	(972) 371-5200	Date Logged In:	04/11/25 1	4:24		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/18/25 1	7:00 (4 day TAT)			
1. Does th	Custody (COC)  The sample ID match the COC?  The number of samples per sampling site location match	och the COC	Yes Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u> </u>		
	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.			ı		Comment	ts/Resolution
	urn Around Time (TAT)		7.7		Project Rig	Rucks Fed (	Com 501H has been
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C					1 -	-	due to sample
	ample cooler received?		Yes		volume. W	O are E5049	7 to E504099.
•	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 ar minutes of sampling visible ice, record the temperature. Actual sample		Yes <u>C</u>				
Sample C	Container						
	queous VOC samples present?		No				
15. Are V	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				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	el						
20. Were t	— field sample labels filled out with the minimum info	rmation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes	'			
	ollectors name?		Yes				
	reservation	10					
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	-4-1-0	NA				
	filtration required and/or requested for dissolved me	etais?	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	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	imples required to get sent to a subcontract laborator	ry?	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab	o: NA		
Client In	struction						
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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: Big Bucks Fed Com 501H

Work Order: E504098

Job Number: 23003-0002

Received: 4/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/18/25

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

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

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

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

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

Date Reported: 4/18/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E504098

Date Received: 4/14/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/14/2025 7:45:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/18/25 09:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS52-0'	E504098-01A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS53-0'	E504098-02A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS54-0'	E504098-03A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS55-0'	E504098-04A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS56-0'	E504098-05A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS69-0'	E504098-06A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS73-0'	E504098-07A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS79-0'	E504098-08A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS81-0'	E504098-09A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS85-0'	E504098-10A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS86-0'	E504098-11A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS87-0'	E504098-12A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS88-0'	E504098-13A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS89-0'	E504098-14A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS90-0'	E504098-15A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS91-0'	E504098-16A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS93-0'	E504098-17A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS94-0'	E504098-18A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS100-0'	E504098-19A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS102-0'	E504098-20A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

### FS52-0' E504098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.4 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	113	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	72.2	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		118 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2516017
Chloride	1050	20.0	1	04/14/25	04/14/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS53-0'

E504098-0	2
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		84.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2516017
Chloride	1260	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS54-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.6 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	131	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	70.8	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2516017
Chloride	1330	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS55-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	433	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	187	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2516017
Chloride	1970	20.0	1	04/14/25	04/14/25	<del></del>

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:36:45AM

#### FS56-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.8 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	796	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	575	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2516017
Chloride	2680	40.0	2	04/14/25	04/14/25	·



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:36:45AM

#### FS69-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		81.9 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	4450	500	20	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	8530	1000	20	04/14/25	04/17/25	
Surrogate: n-Nonane		96.1 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2516017
Chloride	1830	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS73-0'

		E504098-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.9 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	302	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	325	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		105 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2516017
Chloride	1430	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS79-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	917	125	5	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	2070	250	5	04/14/25	04/17/25	
Surrogate: n-Nonane		104 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2516017
Chloride	865	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:36:45AM

#### FS81-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.5 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	457	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	665	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		103 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2516017
Chloride	872	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS85-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.0 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	1380	250	10	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	6360	500	10	04/14/25	04/17/25	
Surrogate: n-Nonane		101 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2516017
Chloride	726	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS86-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	181	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	636	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2516017
Chloride	1300	20.0	1	04/14/25	04/14/25	•



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS87-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		81.5 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	748	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	2180	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		104 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2516017
Chloride	1340	20.0	1	04/14/25	04/14/25	



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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS88-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		81.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	1530	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	2840	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		114 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2516017
Chloride	1590	20.0	1	04/14/25	04/14/25	•



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:36:45AM

#### FS89-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	349	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	603	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2516017
Chloride	3110	40.0	2	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS90-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.6 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	1670	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	3140	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2516017
Chloride	992	20.0	1	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS91-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		81.2 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	1730	50.0	2	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	3290	100	2	04/14/25	04/17/25	
Surrogate: n-Nonane		108 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2516017
Chloride	1670	20.0	1	04/14/25	04/14/25	•



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:36:45AM

#### FS93-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	46.9	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	109	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		114 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2516017
Chloride	405	20.0	1	04/14/25	04/15/25	



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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS94-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	346	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	213	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2516017
Chloride	2470	40.0	2	04/14/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS100-0' E504098-19

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	66.7	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	135	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2516017
Chloride	2800	40.0	2	04/14/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 9:36:45AM

#### FS102-0' E504098-20

		E304070-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516004
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.9 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516004
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2516019
Diesel Range Organics (C10-C28)	156	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	237	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2516017
Chloride	1170	20.0	1	04/14/25	04/15/25	



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

#### **QC Summary Data**

Matador Resources, LLC. Big Bucks Fed Com 501H Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/18/2025 9:36:45AM **Volatile Organics by EPA 8021B** Analyst: SL RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2516004-BLK1) Prepared: 04/14/25 Analyzed: 04/15/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.87 8.00 85.9 70-130 LCS (2516004-BS1) Prepared: 04/14/25 Analyzed: 04/15/25 5.37 5.00 107 70-130 0.0250 Benzene Ethylbenzene 5.30 0.0250 5.00 106 70-130 107 70-130 5.36 0.0250 5.00 Toluene 5.26 105 70-130

Matrix Spike (2516004-MS1)				Source:	E504098-	-05	Prepared: 04/14/25 Analyzed: 04/15/25
Benzene	5.46	0.0250	5.00	ND	109	70-130	
Ethylbenzene	5.38	0.0250	5.00	ND	108	70-130	
Toluene	5.46	0.0250	5.00	ND	109	70-130	
o-Xylene	5.30	0.0250	5.00	ND	106	70-130	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	
Total Xylenes	16.1	0.0250	15.0	ND	108	70-130	
Surrogate: 4-Bromochlorobenzene-PID	6.75		8.00		84.4	70-130	

5.00

10.0

15.0

8.00

107

106

86.5

70-130

70-130

70-130

0.0250

0.0500

0.0250

10.7

16.0

6.92

Matrix Spike Dup (2516004-MSD1)	Source:	Source: E504098-05			Prepared: 04/14/25 Analyzed: 04/15/25			
Benzene	5.88	0.0250	5.00	ND	118	70-130	7.50	27
Ethylbenzene	5.82	0.0250	5.00	ND	116	70-130	7.74	26
Toluene	5.88	0.0250	5.00	ND	118	70-130	7.37	20
o-Xylene	5.73	0.0250	5.00	ND	115	70-130	7.74	25
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130	7.68	23
Total Xylenes	17.4	0.0250	15.0	ND	116	70-130	7.70	26
Surrogate: 4-Bromochlorobenzene-PID	6.63		8.00		82.9	70-130		

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:36:45AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			4/1	18/2025 9:36:45AM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level		Result Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2516004-BLK1)							Prepared: 0	4/14/25 Ana	lyzed: 04/15/25	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130				
LCS (2516004-BS2)							Prepared: 0	4/14/25 Ana	lyzed: 04/15/25	
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.1	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130				
Matrix Spike (2516004-MS2)				Source:	E504098-	05	Prepared: 0	4/14/25 Ana	lyzed: 04/15/25	
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.9	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130				
Matrix Spike Dup (2516004-MSD2)				Source:	E504098-0	05	Prepared: 0	4/14/25 Ana	lyzed: 04/15/25	

50.0

8.00

ND

85.6

91.2

70-130

70-130

1.48

20

42.8

7.30

20.0

## **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/18/20259:36:45AM

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	Nonha		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 (2516019-BLK1)							Prepared: 0	4/14/25 Anal	yzed: 04/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.9		50.0		112	61-141			
LCS (2516019-BS1)							Prepared: 0	4/14/25 Anal	yzed: 04/15/25
Diesel Range Organics (C10-C28)	288	25.0	250		115	66-144			
Surrogate: n-Nonane	56.9		50.0		114	61-141			
Matrix Spike (2516019-MS1)				Source:	E504098-	04	Prepared: 0	4/14/25 Anal	yzed: 04/15/25
Diesel Range Organics (C10-C28)	790	25.0	250	433	143	56-156			
Surrogate: n-Nonane	56.5		50.0		113	61-141			
Matrix Spike Dup (2516019-MSD1)				Source:	E504098-	04	Prepared: 0	4/14/25 Anal	yzed: 04/15/25
Diesel Range Organics (C10-C28)	749	25.0	250	433	126	56-156	5.28	20	
Surrogate: n-Nonane	55.8		50.0		112	61-141			

## **QC Summary Data**

Dallas TX, 75240	Project Manager:  Anions by	Ashley Giovengo EPA 300.0/9056A	4/18/2025 9:36:45AM  Analyst: DT
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501H 23003-0002	Reported:

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	/0	70	70	70	rotes
Blank (2516017-BLK1)							Prepared: 0	4/14/25	Analyzed: 04/14/25
Chloride	ND	20.0		·					
LCS (2516017-BS1)							Prepared: 0	4/14/25	Analyzed: 04/14/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2516017-MS1)				Source:	E504098-0	05	Prepared: 0	4/14/25	Analyzed: 04/14/25
Chloride	2700	40.0	250	2680	6.96	80-120			M4
Matrix Spike Dup (2516017-MSD1)				Source:	E504098-0	05	Prepared: 0	4/14/25	Analyzed: 04/14/25
Chloride	2750	40.0	250	2680	27.1	80-120	1.85	20	M4

#### QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/18/25 09:36

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

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 7/14/2025 3:02:16 PM

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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.



# envirotecles envirotecles

envirotech Inc.

Printed: 4/14/2025 9:11:17AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

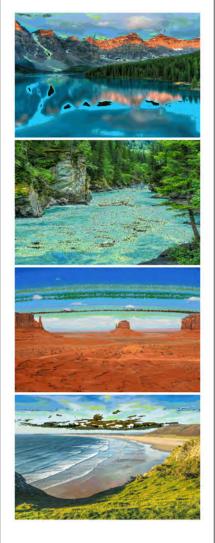
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	04/14/25 07	':45		Work Order ID:	E504098
Phone:	(972) 371-5200	Date Logged In:	04/11/25 14	:32		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/18/25 17	7:00 (4 day TAT)		<i>56</i> ,	
1. Does th 2. Does th 3. Were sa 4. Was the	custody (COC)  e sample ID match the COC?  e number of samples per sampling site location matamples dropped off by client or carrier?  COC complete, i.e., signatures, dates/times, request 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 disuession.	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>	Courier	<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)				Duniant D	ia Dualsa Ead (	Com 501II has been
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			=	Com 501H has been
Sample C			37		_	into 3 reports	-
	ample cooler received?		Yes		volume. V	WO are E5049	7 to E504099.
•	vas cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
12. Was the	were custody/security seals intact?  sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling isible ice, record the temperature. Actual sample	e received w/i 15	NA Yes				
Sample C	ontainer						
	ueous 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa Da	el  Geld sample labels filled out with the minimum info  Imple ID?  ate/Time Collected?  Incollectors name?	ormation:	Yes Yes Yes				
	reservation_		103				
21. Does t	he COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filtration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does t	he 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	zed?	NA				
28. Are sa	act Laboratory mples required to get sent to a subcontract laborato subcontract laboratory specified by the client and it	-	No NA S	Subcontract Lab	o: NA		
Client 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: Big Bucks Fed Com 501H

Work Order: E504099

Job Number: 23003-0002

Received: 4/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/18/25

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

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

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

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

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

Date Reported: 4/18/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E504099

Date Received: 4/14/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/14/2025 7:45:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo04/18/25 14:07

E504099-02A   Soil   O4/10/25   O4/14/25   Glass Jar, 2 oz.	Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS105-0'   FS04099-03A   Soil   O4/10/25   O4/14/25   Glass Jar, 2 oz.	FS103-0'	E504099-01A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS118-0' E504099-04A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS120-0' E504099-05A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS127-0' E504099-06A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS128-0' E504099-07A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS130-0' E504099-08A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS131-0' E504099-10A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS131-0' E504099-11A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS133-0' E504099-11A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS133-0' E504099-12A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-14A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS137-0' E504099-15A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS138-0' E504099-15A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS138-0' E504099-16A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS138-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS159-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS159-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS170-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS104-0'	E504099-02A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
ES04099-05A   Soil   O4/10/25   O4/14/25   Glass Jar, 2 oz.	FS105-0'	E504099-03A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
E504099-06A   Soil   O4/10/25   O4/14/25   Glass Jar, 2 oz.	FS118-0'	E504099-04A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS128-0' E504099-07A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS130-0' E504099-08A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS131-0' E504099-10A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS132-0' E504099-11A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS133-0' E504099-11A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS134-0' E504099-12A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS135-0' E504099-13A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-14A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS137-0' E504099-15A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS138-0' E504099-16A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-16A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-1A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-1A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS156-0' E504099-1A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS159-0' E504099-1A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS170-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS120-0'	E504099-05A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
ES04099-08A   Soil   O4/10/25   O4/14/25   Glass Jar, 2 oz.	FS127-0'	E504099-06A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS131-0' E504099-09A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS132-0' E504099-10A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS133-0' E504099-11A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS134-0' E504099-12A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS135-0' E504099-13A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS136-0' E504099-14A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS137-0' E504099-15A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS138-0' E504099-16A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS138-0' E504099-16A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS160-0' E504099-17A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS159-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS179-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS128-0'	E504099-07A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
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FS135-0'         E504099-13A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS136-0'         E504099-14A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS137-0'         E504099-15A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS138-0'         E504099-16A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS140-0'         E504099-17A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS156-0'         E504099-18A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS179-0'         E504099-19A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS171-0'         E504099-20A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS172-0'         E504099-21A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS173-0'         E504099-22A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS174-0'         E504099-23A         Soil         04/10/25         04/14/25         Glass Jar, 2 oz.           FS177-0'	FS133-0'	E504099-11A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
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FS138-0' E504099-16A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS140-0' E504099-17A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS156-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS159-0' E504099-19A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS170-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS172-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS136-0'	E504099-14A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS140-0' E504099-17A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS156-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS159-0' E504099-19A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS170-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS172-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS137-0'	E504099-15A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS156-0' E504099-18A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS159-0' E504099-19A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS170-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS172-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS138-0'	E504099-16A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS179-0' E504099-19A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS170-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS172-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS140-0'	E504099-17A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS170-0' E504099-20A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS172-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS156-0'	E504099-18A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS171-0' E504099-21A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS172-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS159-0'	E504099-19A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS172-0' E504099-22A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS170-0'	E504099-20A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS173-0' E504099-23A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS171-0'	E504099-21A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS174-0' E504099-24A Soil 04/10/25 04/14/25 Glass Jar, 2 oz. FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS172-0'	E504099-22A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS177-0' E504099-25A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS173-0'	E504099-23A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
	FS174-0'	E504099-24A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
FS184-0' E504099-26A Soil 04/10/25 04/14/25 Glass Jar, 2 oz.	FS177-0'	E504099-25A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.
	FS184-0'	E504099-26A	Soil	04/10/25	04/14/25	Glass Jar, 2 oz.

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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS103-0' E504099-01

		E304077-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	1880	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	3270	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2516020
Chloride	2810	40.0	2	04/14/25	04/14/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS104-0' E504099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	34.5	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		115 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	1710	40.0	2	04/14/25	04/14/25	



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#### FS105-0' E504099-03

		1304077 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
o,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	142	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	195	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		118 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	1610	20.0	1	04/14/25	04/14/25	



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#### FS118-0'

#### E504099-04

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	129	25.0	1	04/14/25	04/17/25	
Oil Range Organics (C28-C36)	76.6	50.0	1	04/14/25	04/17/25	
Surrogate: n-Nonane		116 %	61-141	04/14/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2516020
Chloride	2120	40.0	2	04/14/25	04/14/25	



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#### FS120-0' E504099-05

		E304077 03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
thylbenzene	ND	0.0250	1	04/14/25	04/16/25	
oluene	ND	0.0250	1	04/14/25	04/16/25	
-Xylene	ND	0.0250	1	04/14/25	04/16/25	
,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
otal Xylenes	ND	0.0250	1	04/14/25	04/16/25	
urrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	04/14/25	04/16/25	
Onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
asoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	04/14/25	04/16/25	
Onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: IY		Batch: 2516022
riesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Dil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
urrogate: n-Nonane		113 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2516020
Chloride	8260	100	5	04/14/25	04/14/25	



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#### FS127-0' E504099-06

		1301077 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
thylbenzene	ND	0.0250	1	04/14/25	04/16/25	
oluene	ND	0.0250	1	04/14/25	04/16/25	
-Xylene	ND	0.0250	1	04/14/25	04/16/25	
,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
urrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/14/25	04/16/25	
Onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
asoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	04/14/25	04/16/25	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: IY		Batch: 2516022
riesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Dil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
urrogate: n-Nonane		111 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2516020
Chloride	2010	40.0	2	04/14/25	04/14/25	



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#### FS128-0' E504099-07

		E304099-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
,	ma/lsa	ma/ka	Anal	yst: SL	<u> </u>	Batch: 2516013
Volatile Organics by EPA 8021B	mg/kg	mg/kg			0.414.519.5	Datch: 2310013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		115 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2516020
Chloride	5180	40.0	2	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS130-0' E504099-08

		L304077 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
oluene	ND	0.0250	1	04/14/25	04/16/25	
-Xylene	ND	0.0250	1	04/14/25	04/16/25	
,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
urrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	04/14/25	04/16/25	
Jonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	04/14/25	04/16/25	
Jonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
riesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Dil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
urrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	6980	100	5	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS131-0' E504099-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	55.1	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		115 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	5980	100	5	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS132-0' E504099-10

		E304077 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	283	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		115 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	1020	20.0	1	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS133-0' E504099-11

		E304077-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL	<u> </u>	Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
oluene	ND	0.0250	1	04/14/25	04/16/25	
-Xylene	ND	0.0250	1	04/14/25	04/16/25	
o,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	62.5	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	4190	40.0	2	04/14/25	04/14/25	



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS134-0' E504099-12

		1204077 12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
o,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	169	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2516020
Chloride	1910	40.0	2	04/14/25	04/14/25	



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#### FS135-0' E504099-13

		E304077-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
•				•	1 11101) 200	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	48.1	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		113 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2516020
Chloride	12300	200	10	04/14/25	04/14/25	



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#### FS136-0' E504099-14

		L304077 14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
-Xylene	ND	0.0250	1	04/14/25	04/16/25	
o,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		116 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2516020
Chloride	2750	40.0	2	04/14/25	04/14/25	



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#### FS137-0' E504099-15

	E304077-13				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2516013
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0500	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
	102 %	70-130	04/14/25	04/16/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2516013
ND	20.0	1	04/14/25	04/16/25	
	96.4 %	70-130	04/14/25	04/16/25	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2516022
ND	25.0	1	04/14/25	04/15/25	
ND	50.0	1	04/14/25	04/15/25	
	119 %	61-141	04/14/25	04/15/25	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2516020
6030	100	5	04/14/25	04/14/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO2 %         mg/kg           mg/kg         mg/kg           ND         20.0           96.4 %         mg/kg           ND         25.0           ND         50.0           119 %         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           ND         0.0250         1           Mg/kg         mg/kg         Anal           ND         20.0         1           96.4 %         70-130         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           119 %         61-141           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0500         1         04/14/25           ND         0.0250         1         04/14/25           mg/kg         Mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/14/25           mg/kg         mg/kg         Analyst: IY           ND         25.0         1         04/14/25           ND         50.0         1         04/14/25           ND         50.0         1         04/14/25           mg/kg         Mg/kg         Analyst: IY	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           ND         0.0500         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           mg/kg         mg/kg         Analyst: SL         ND         04/16/25           MD         20.0         1         04/14/25         04/16/25           mg/kg         mg/kg         Analyst: IY         ND         25.0         1         04/14/25         04/15/25           ND         25.0         1         04/14/25         04/15/25         04/15/25           ND         50.0         1         04/14/25         04/15/25           ND



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#### FS138-0' E504099-16

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
ND	0.0500	1	04/14/25	04/16/25	
ND	0.0250	1	04/14/25	04/16/25	
	98.4 %	70-130	04/14/25	04/16/25	
mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
ND	20.0	1	04/14/25	04/16/25	
	90.0 %	70-130	04/14/25	04/16/25	
mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
80.2	25.0	1	04/14/25	04/15/25	
ND	50.0	1	04/14/25	04/15/25	
	112 %	61-141	04/14/25	04/15/25	
mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
3790	40.0	2	04/14/25	04/14/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg ND	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           98.4 %         mg/kg           MD         20.0           90.0 %         mg/kg           mg/kg         mg/kg           80.2         25.0           ND         50.0           112 %         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         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           98.4 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           90.0 %         70-130         1           mg/kg         mg/kg         Analy           80.2         25.0         1           ND         50.0         1           112 %         61-141           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0250         1         04/14/25           ND         0.0500         1         04/14/25           ND         0.0250         1         04/14/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: IY           80.2         25.0         1         04/14/25           ND         50.0         1         04/14/25           ND         50.0         1         04/14/25           mg/kg         mg/kg         Analyst: JM	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           ND         0.0500         1         04/14/25         04/16/25           ND         0.0500         1         04/14/25         04/16/25           ND         0.0250         1         04/14/25         04/16/25           MD         0.0250         1         04/14/25         04/16/25           mg/kg         mg/kg         Analyst: SL         04/16/25           mg/kg         mg/kg         Analyst: IY         04/16/25           ND         50.0         1         04/14/25         04/15/25           ND         50.0         1         04/14/25         04/15/25



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#### FS140-0' E504099-17

		E504099-17				
Austra	Result	Reporting Limit	Dilution	D	A	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		116 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	3340	40.0	2	04/14/25	04/14/25	



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#### FS156-0' E504099-18

		1504077 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
oluene	ND	0.0250	1	04/14/25	04/16/25	
-Xylene	ND	0.0250	1	04/14/25	04/16/25	
,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
iurrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
iurrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	98.0	25.0	1	04/14/25	04/15/25	
Dil Range Organics (C28-C36)	50.6	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		116 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	581	20.0	1	04/14/25	04/14/25	



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#### FS159-0' E504099-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	11	04/14/25	04/15/25	
Surrogate: n-Nonane		118 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	822	20.0	1	04/14/25	04/14/25	



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#### FS170-0' E504099-20

		1204077 20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Benzene	ND	0.0250	1	04/14/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/16/25	
Toluene	ND	0.0250	1	04/14/25	04/16/25	
o-Xylene	ND	0.0250	1	04/14/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	04/14/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516022
Diesel Range Organics (C10-C28)	5650	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	652	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		112 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516020
Chloride	1180	20.0	1	04/14/25	04/14/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS171-0' E504099-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2516002
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2516002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516008
Diesel Range Organics (C10-C28)	3190	25.0	1	04/14/25	04/14/25	
Oil Range Organics (C28-C36)	248	50.0	1	04/14/25	04/14/25	
Surrogate: n-Nonane		115 %	61-141	04/14/25	04/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2516029
Chloride	4680	40.0	2	04/15/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS172-0' E504099-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2516002
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2516002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516008
Diesel Range Organics (C10-C28)	1240	25.0	1	04/14/25	04/14/25	
Oil Range Organics (C28-C36)	176	50.0	1	04/14/25	04/14/25	
Surrogate: n-Nonane		113 %	61-141	04/14/25	04/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2516029
Chloride	2900	40.0	2	04/15/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS173-0' E504099-23

		1304077 25				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516002
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
o,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516008
Diesel Range Organics (C10-C28)	687	25.0	1	04/14/25	04/14/25	
Oil Range Organics (C28-C36)	150	50.0	1	04/14/25	04/14/25	
Surrogate: n-Nonane		107 %	61-141	04/14/25	04/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2516029
Chloride	2580	40.0	2	04/15/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS174-0' E504099-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2516002
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		88.0 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2516002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516008
Diesel Range Organics (C10-C28)	4130	25.0	1	04/14/25	04/14/25	
Oil Range Organics (C28-C36)	820	50.0	1	04/14/25	04/14/25	
Surrogate: n-Nonane		107 %	61-141	04/14/25	04/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2516029
Chloride	1540	20.0	1	04/15/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS177-0' E504099-25

		E304077-23				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2516002
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: IY		Batch: 2516008
Diesel Range Organics (C10-C28)	ND	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		109 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2516029
Chloride	830	20.0	1	04/15/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

#### FS184-0' E504099-26

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516002
Benzene	ND	0.0250	1	04/14/25	04/15/25	
Ethylbenzene	ND	0.0250	1	04/14/25	04/15/25	
Toluene	ND	0.0250	1	04/14/25	04/15/25	
o-Xylene	ND	0.0250	1	04/14/25	04/15/25	
p,m-Xylene	ND	0.0500	1	04/14/25	04/15/25	
Total Xylenes	ND	0.0250	1	04/14/25	04/15/25	
Surrogate: 4-Bromochlorobenzene-PID		84.8 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/25	04/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	04/14/25	04/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2516008
Diesel Range Organics (C10-C28)	2180	25.0	1	04/14/25	04/15/25	
Oil Range Organics (C28-C36)	1650	50.0	1	04/14/25	04/15/25	
Surrogate: n-Nonane		113 %	61-141	04/14/25	04/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2516029
Chloride	696	20.0	1	04/15/25	04/15/25	·



Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/18/2025 2:07:36PM **Volatile Organics by EPA 8021B** Analyst: SL RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit % mg/kg mg/kg mg/kg mg/kg % % Notes Blank (2516002-BLK1) Prepared: 04/14/25 Analyzed: 04/14/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.01 8.00 87.6 70-130 LCS (2516002-BS1) Prepared: 04/14/25 Analyzed: 04/14/25 5.13 5.00 103 70-130 0.0250 Benzene Ethylbenzene 5.08 0.0250 5.00 102 70-130 70-130 5.13 0.0250 5.00 103 Toluene 5.05 101 70-130 o-Xylene 0.0250 5.00 10.3 10.0 103 70-130 0.0500 p,m-Xylene 102 70-130 15.3 0.0250 15.0 Total Xylenes 8.00 88.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.08 Source: E504095-04 Matrix Spike (2516002-MS1) Prepared: 04/14/25 Analyzed: 04/14/25

Matrix Spike Dup (2516002-MSD1)				Source:	E504095-	04	Prepared: 04/14/25 Analyzed: 04/14/25
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	70-130	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	
o-Xylene	4.95	0.0250	5.00	ND	98.9	70-130	
Toluene	5.01	0.0250	5.00	ND	100	70-130	
Ethylbenzene	4.94	0.0250	5.00	ND	98.8	70-130	
Benzene	5.01	0.0250	5.00	ND	100	70-130	

Matrix Spike Dup (2516002-MSD1)	Source:	Source: E504095-04			4/14/25 Analyzed: 04/14/25			
Benzene	5.96	0.0250	5.00	ND	119	70-130	17.4	27
Ethylbenzene	5.90	0.0250	5.00	ND	118	70-130	17.6	26
Toluene	5.95	0.0250	5.00	ND	119	70-130	17.3	20
o-Xylene	5.84	0.0250	5.00	ND	117	70-130	16.5	25
p,m-Xylene	11.9	0.0500	10.0	ND	119	70-130	17.2	23
Total Xylenes	17.7	0.0250	15.0	ND	118	70-130	17.0	26
Surrogate: 4-Bromochlorobenzene-PID	7.08		8.00		88.5	70-130		

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/18/2025 2:07:36PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2516013-BLK1) Prepared: 04/14/25 Analyzed: 04/15/25 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 8.04 8.00 100 70-130 LCS (2516013-BS1) Prepared: 04/14/25 Analyzed: 04/15/25 4.77 95.4 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.76 0.0250 5.00 95.3 70-130 4.80 0.0250 5.00 95.9 70-130 Toluene 4.75 95.0 o-Xylene 0.0250 5.00 70-130 9.51 10.0 95.1 70-130 0.0500 p.m-Xvlene 95.1 70-130 14.3 15.0 Total Xylenes 0.0250 8.00 97.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.82 Source: E504099-09 Matrix Spike (2516013-MS1) Prepared: 04/14/25 Analyzed: 04/15/25 4.69 0.0250 5.00 ND 70-130 Benzene ND 70-130 Ethylbenzene 4.68 0.0250 5.00 93.7 Toluene 4.72 0.0250 5.00 ND 94.3 70-130 ND 93.2 70-130 4.66 5.00 0.0250 o-Xylene p,m-Xylene 9.36 0.0500 10.0 ND 93.6 70-130 14.0 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 Matrix Spike Dup (2516013-MSD1) Source: E504099-09 Prepared: 04/14/25 Analyzed: 04/15/25

4.60

4.55

4 60

4.54

9.08

13.6

7.46

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

91.9

91.0

92.1

90.8

90.8

90.8

93.2

70-130

70-130

70-130

70-130

70-130

70-130

70-130

2.07

2.93

2 39

2.58

3.00

2.86

27

26

20

25

23

26



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

		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 (2516002-BLK1)							Prepared: 0	4/14/25 Ana	alyzed: 04/14/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			
LCS (2516002-BS2)							Prepared: 0	4/14/25 Ana	alyzed: 04/14/25

ECS (2510002 BS2)							rieparea: 0 ii i ii 25 maryzea: 0 ii i ii 25
Gasoline Range Organics (C6-C10)	38.7	20.0	50.0		77.4	70-130	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130	
Matrix Spike (2516002-MS2)				Source:	E504095-0	04	Prepared: 04/14/25 Analyzed: 04/15/25
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.3	70-130	

Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			
Matrix Spike Dup (2516002-MSD2)				Source:	E504095-0	)4	Prepared: 04	1/14/25 Analyz	zed: 04/15/25
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.4	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

	Analyst: SL								
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2516013-BLK1)							Prepared: 0	4/14/25 Anal	yzed: 04/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

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LCS (2516013-BS2)						Prepared: 04/14/25 Analyzed: 04/15/25
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	91.9	70-130	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00	99.2	70-130	
Matrix Spike (2516013-MS2)				Source: E504099-09	)	Prepared: 04/14/25 Analyzed: 04/15/25

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130				
Matrix Spike Dup (2516013-MSD2)				Source:	E504099-	)9	Prepared: 04	1/14/25	Analyzed: 04/15/25	
Matrix Spike Dup (2516013-MSD2)  Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	Source:	E504099-0	70-130	0.749	20		

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Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: IY									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 (2516008-BLK1)							Prepared: 0	4/14/25 Ana	alyzed: 04/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	61-141			
LCS (2516008-BS1)							Prepared: 0	4/14/25 Ana	alyzed: 04/14/25
Diesel Range Organics (C10-C28)	284	25.0	250		113	66-144			
Surrogate: n-Nonane	55.3		50.0		111	61-141			
Matrix Spike (2516008-MS1)				Source:	E504025-0	04	Prepared: 0	4/14/25 Ana	alyzed: 04/14/25
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	56.9		50.0		114	61-141			
Matrix Spike Dup (2516008-MSD1)				Source:	E504025-0	04	Prepared: 0	4/14/25 Ana	alyzed: 04/14/25
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156	2.24	20	
Surrogate: n-Nonane	58.5		50.0		117	61-141			

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	Nonha	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 (2516022-BLK1)							Prepared: 0	4/14/25 Ana	lyzed: 04/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	61-141			
LCS (2516022-BS1)							Prepared: 0	4/14/25 Ana	lyzed: 04/15/25
Diesel Range Organics (C10-C28)	283	25.0	250		113	66-144			
Surrogate: n-Nonane	56.5		50.0		113	61-141			
Matrix Spike (2516022-MS1)				Source:	E504099-	02	Prepared: 0	4/14/25 Ana	lyzed: 04/15/25
Diesel Range Organics (C10-C28)	384	25.0	250	34.5	140	56-156			
Surrogate: n-Nonane	65.3		50.0		131	61-141			
Matrix Spike Dup (2516022-MSD1)				Source:	E504099-	02	Prepared: 0	4/14/25 Ana	lyzed: 04/15/25
Diesel Range Organics (C10-C28)	315	25.0	250	34.5	112	56-156	19.5	20	
Surrogate: n-Nonane	56.1		50.0		112	61-141			

Analyst: JM

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501H 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

Anions	by EPA 300.0/9056 <i>A</i>	L

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

	mg/kg	mg/kg	mg/kg	mg/kg	%0	%	%0	%0	Notes
Blank (2516020-BLK1)							Prepared: 04	1/14/25 Anal	yzed: 04/14/25
Chloride	ND	20.0							
LCS (2516020-BS1)							Prepared: 04	1/14/25 Anal	yzed: 04/14/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2516020-MS1)				Source:	E504099-	09	Prepared: 04	1/14/25 Anal	yzed: 04/14/25
Chloride	6630	100	250	5980	262	80-120			M4
Matrix Spike Dup (2516020-MSD1)	Source:	E504099-	09	Prepared: 04	1/14/25 Anal	yzed: 04/14/25			
Chloride	6440	100	250	5980	185	80-120	2.95	20	M4



Analyte

## **QC Summary Data**

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/18/2025 2:07:36PM

		Analyst: DT						
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2516029-BLK1)							Prepared: 0	04/15/25	Analyzed: 04/15/25
Chloride	ND	20.0							
LCS (2516029-BS1)							Prepared: 0	04/15/25	Analyzed: 04/15/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2516029-MS1)				Source:	E504099-2	23	Prepared: 0	)4/15/25	Analyzed: 04/15/25
Chloride	2590	40.0	250	2580	2.84	80-120			M4
Matrix Spike Dup (2516029-MSD1)	Source:	E504099-2	23	Prepared: 0	04/15/25	Analyzed: 04/15/25			
Chloride	2720	40.0	250	2580	53.9	80-120	4.81	20	M4

#### QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/18/25 14:07

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.



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Page <u>5</u> of
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Project N Address:										<u>, state, zip:  (</u> ne:    575-988	<u> Carlsbad NM, 8822</u> 9 3-0055	<u>J</u>		$\overline{}$			Δna	lysis	and	Moti	hod				EPA Prog	ram
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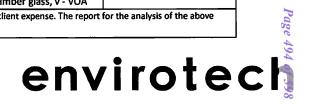


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Page .	6	_ of _	

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	lote: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above amples 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: 4/14/2025 9:13:38AM

#### **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:	04/14/25 0	7:45		Work Order ID:	E504099
Phone:	(972) 371-5200	Date Logged In:	04/11/25 1	4:35		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/18/25 1	7:00 (4 day TAT)			
1. Does th	Custody (COC) e sample ID match the COC? e number of samples per sampling site location match	tch the COC	Yes				
	imples dropped off by client or carrier?	ion une coc	Yes Yes	a : c	· ·		
	e COC complete, i.e., signatures, dates/times, reques	etad analyseas?	Yes	Carrier: <u>C</u>	<u>Courier</u>		
	I samples received within holding time?	sted allaryses:	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		103	ı		Comment	s/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Project Big	Bucks Fed (	Com 501H has been
	•		108		1 -	-	due to sample
Sample C			Van		1 *	-	•
	ample cooler received?  was cooler received in good condition?		Yes		volume. W	O are E5049	7 to E504099.
•	<del>-</del>		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	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 risible ice, record the temperature. Actual sample		Yes <u>C</u>				
Sample C	ontainer						
	queous VOC samples present?		No				
15. Are V	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				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	el						
	— field sample labels filled out with the minimum info	ormation:					
	imple ID?		Yes				
	ate/Time Collected?		Yes	'			
	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were pr	reserved?	No				
	mple(s) correctly preserved?		NA				
24. Is lab	filtration required and/or requested for dissolved me	etals?	No				
_	se Sample Matrix						
	he sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontra	act Laboratory						
28. Are sa	mples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab	o: NA		
Client In	struction						
<u>Chent In</u>	<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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: Big Bucks Fed Com 501H

Work Order: E504115

Job Number: 23003-0002

Received: 4/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/21/25

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

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

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

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

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

Date Reported: 4/21/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E504115

Date Received: 4/15/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/15/2025 7:30:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H 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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#### **Sample Summary**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS27-0'	E504115-01A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS42-1'	E504115-02A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS43-0'	E504115-03A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS44-0'	E504115-04A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS98-0'	E504115-05A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS119-0'	E504115-06A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS121-0'	E504115-07A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS122-0'	E504115-08A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS125-0'	E504115-09A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS129-0'	E504115-10A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS139-0'	E504115-11A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS144-0'	E504115-12A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS155-0'	E504115-13A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS169-0'	E504115-14A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS182-0'	E504115-15A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS186-1'	E504115-16A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS191-1.5'	E504115-17A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS194-0'	E504115-18A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS206-0'	E504115-19A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS207-0'	E504115-20A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS208-0'	E504115-21A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS211-0'	E504115-22A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.
FS216-0'	E504115-23A	Soil	04/11/25	04/15/25	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS27-0' E504115-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	_
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		93.5 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2516047
Chloride	2800	40.0	2	04/15/25	04/15/25	

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS42-1'

#### E504115-02

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		85.7 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		97.2 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: JM		Batch: 2516047
Chloride	851	20.0	1	04/15/25	04/15/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS43-0'

#### E504115-03

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		86.1 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	33.3	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		97.7 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2516047
Chloride	600	20.0	1	04/15/25	04/15/25	



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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS44-0'

#### E504115-04

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/17/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/17/25	
Toluene	ND	0.0250	1	04/15/25	04/17/25	
o-Xylene	ND	0.0250	1	04/15/25	04/17/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/17/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/17/25	
Surrogate: 4-Bromochlorobenzene-PID		87.5 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	1080	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	679	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		96.2 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2516047
Chloride	2240	40.0	2	04/15/25	04/15/25	_



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#### FS98-0'

#### E504115-05

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		85.9 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	184	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		99.2 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2516047
Chloride	863	20.0	1	04/15/25	04/15/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo4/21/20251:41:00PM

#### FS119-0'

#### E504115-06

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2516037
ND	0.0250	1	04/15/25	04/16/25	
ND	0.0250	1	04/15/25	04/16/25	
ND	0.0250	1	04/15/25	04/16/25	
ND	0.0250	1	04/15/25	04/16/25	
ND	0.0500	1	04/15/25	04/16/25	
ND	0.0250	1	04/15/25	04/16/25	
	86.5 %	70-130	04/15/25	04/16/25	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2516037
ND	20.0	1	04/15/25	04/16/25	
	92.0 %	70-130	04/15/25	04/16/25	
mg/kg	mg/kg	Ana	lyst: KH		Batch: 2516048
ND	25.0	1	04/15/25	04/17/25	
ND	50.0	1	04/15/25	04/17/25	
	96.9 %	61-141	04/15/25	04/17/25	
mg/kg	mg/kg	Ana	lyst: JM		Batch: 2516047
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND	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           86.5 %         mg/kg           MD         20.0           92.0 %         mg/kg           MD         25.0           ND         50.0	mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           86.5 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1	mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0500         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/15/25           mg/kg         70-130         04/15/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         04/15/25           ND         50.0         1         04/15/25	mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/15/25         04/16/25           ND         0.0500         1         04/15/25         04/16/25           ND         0.0250         1         04/15/25         04/16/25           MD         0.0250         1         04/15/25         04/16/25           mg/kg         mg/kg         Analyst: SL         ND         04/16/25           MD         20.0         1         04/15/25         04/16/25           mg/kg         mg/kg         Analyst: KH         ND         25.0         1         04/15/25         04/17/25           ND         50.0         1         04/15/25         04/17/25         04/17/25



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS121-0' E504115-07

		E304113 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
thylbenzene	ND	0.0250	1	04/15/25	04/16/25	
oluene	ND	0.0250	1	04/15/25	04/16/25	
-Xylene	ND	0.0250	1	04/15/25	04/16/25	
,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
urrogate: 4-Bromochlorobenzene-PID		85.3 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
urrogate: n-Nonane		96.4 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516047
Chloride	563	20.0	1	04/15/25	04/15/25	



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5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS122-0'

E504115-08							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037	
Benzene	ND	0.0250	1	04/15/25	04/16/25		
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25		
Toluene	ND	0.0250	1	04/15/25	04/16/25		
o-Xylene	ND	0.0250	1	04/15/25	04/16/25		
o,m-Xylene	ND	0.0500	1	04/15/25	04/16/25		
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25		
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	04/15/25	04/16/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	04/15/25	04/16/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2516048	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25		
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25		
Surrogate: n-Nonane		94.6 %	61-141	04/15/25	04/17/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2516047	
Chloride	1260	20.0	1	04/15/25	04/16/25		



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS125-0' E504115-09

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		96.5 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2516047
Chloride	3030	40.0	2	04/15/25	04/16/25	·



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Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS129-0' E504115-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		84.6 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	38.8	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		97.7 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2516047
	7820	100	5	04/15/25	04/16/25	



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### FS139-0'

E504115-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
o,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		83.1 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		98.7 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2516047
Chloride	2410	40.0	2	04/15/25	04/16/25	



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#### FS144-0' E504115-12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		81.9 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	33.1	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		97.8 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2516047



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#### FS155-0' E504115-13

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		81.8 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		93.7 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2516047
Chloride	97.2	20.0	1	04/15/25	04/16/25	



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#### FS169-0' E504115-14

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0500	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
	85.5 %	70-130	04/15/25	04/17/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
ND	20.0	1	04/15/25	04/17/25	
	94.0 %	70-130	04/15/25	04/17/25	
mg/kg	mg/kg	Analy	yst: KH		Batch: 2516048
ND	25.0	1	04/15/25	04/17/25	
ND	50.0	1	04/15/25	04/17/25	
	97.7 %	61-141	04/15/25	04/17/25	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2516047
258	20.0	1	04/15/25	04/16/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MD         20.0           94.0 %         mg/kg           MD         25.0           ND         50.0           97.7 %         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         0.0500         1           ND         0.0250         1           ND         0.0250         1           85.5 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           94.0 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           97.7 %         61-141         61-141           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0500         1         04/15/25           ND         0.0250         1         04/15/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/15/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         04/15/25           ND         50.0         1         04/15/25           ND         50.0         1         04/15/25           mg/kg         Mg/kg         Analyst: KH	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/15/25         04/17/25           ND         0.0250         1         04/15/25         04/17/25           ND         0.0250         1         04/15/25         04/17/25           ND         0.0500         1         04/15/25         04/17/25           ND         0.0250         1         04/15/25         04/17/25           ND         0.0250         1         04/15/25         04/17/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/15/25         04/17/25           mg/kg         mg/kg         Analyst: SL         04/17/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         04/15/25         04/17/25           ND         25.0         1         04/15/25         04/17/25           ND         50.0         1         04/15/25         04/17/25           ND         50.0         1         04/15/25         04/17/25           MD



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#### FS182-0' E504115-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/17/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/17/25	
Toluene	ND	0.0250	1	04/15/25	04/17/25	
o-Xylene	ND	0.0250	1	04/15/25	04/17/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/17/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/17/25	
Surrogate: 4-Bromochlorobenzene-PID		87.5 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		98.0 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2516047
Chloride	654	20.0	1	04/15/25	04/16/25	



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#### FS186-1' E504115-16

	1304113 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: SL		Batch: 2516037
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
ND	0.0500	1	04/15/25	04/17/25	
ND	0.0250	1	04/15/25	04/17/25	
	86.3 %	70-130	04/15/25	04/17/25	
mg/kg	mg/kg	Analy	rst: SL		Batch: 2516037
ND	20.0	1	04/15/25	04/17/25	
	93.4 %	70-130	04/15/25	04/17/25	
mg/kg	mg/kg	Analy	rst: KH		Batch: 2516048
140	25.0	1	04/15/25	04/17/25	
ND	50.0	1	04/15/25	04/17/25	
	105 %	61-141	04/15/25	04/17/25	
mg/kg	mg/kg	Analy	rst: JM		Batch: 2516047
558	20.0	1	04/15/25	04/16/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND  mg/kg 140 ND	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           86.3 %         mg/kg           ND         20.0           93.4 %         mg/kg           mg/kg         mg/kg           140         25.0           ND         50.0           105 %         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         0.0500         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Analy           ND         20.0         1           93.4 %         70-130           mg/kg         mg/kg         Analy           140         25.0         1           ND         50.0         1           105 %         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0250         1         04/15/25           ND         0.0500         1         04/15/25           ND         0.0250         1         04/15/25           mg/kg         Malyst: SL         Malyst: SL           ND         20.0         1         04/15/25           mg/kg         Mg/kg         Analyst: KH           140         25.0         1         04/15/25           ND         50.0         1         04/15/25           ND         50.0         1         04/15/25           ND         50.0         1         04/15/25           mg/kg         Mg/kg         Analyst: JM	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/15/25         04/17/25           ND         0.0500         1         04/15/25         04/17/25           ND         0.0250         1         04/15/25         04/17/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/15/25         04/17/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/15/25         04/17/25           mg/kg         mg/kg         Analyst: KH           140         25.0         1         04/15/25         04/17/25           ND         50.0         1         04/15/25         04/17/25           ND         50.0         1         04/15/25         04/17/25



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### FS191-1.5' E504115-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL	<u> </u>	Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/17/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/17/25	
Toluene	ND	0.0250	1	04/15/25	04/17/25	
o-Xylene	ND	0.0250	1	04/15/25	04/17/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/17/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/17/25	
Surrogate: 4-Bromochlorobenzene-PID		85.8 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		95.8 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2516047
Chloride	ND	20.0	1	04/15/25	04/16/25	



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#### FS194-0' E504115-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/17/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/17/25	
Toluene	ND	0.0250	1	04/15/25	04/17/25	
o-Xylene	ND	0.0250	1	04/15/25	04/17/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/17/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/17/25	
Surrogate: 4-Bromochlorobenzene-PID		86.5 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	52.5	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		101 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2516047
Chloride	156	20.0	1	04/15/25	04/16/25	



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#### FS206-0' E504115-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/17/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/17/25	
Toluene	ND	0.0250	1	04/15/25	04/17/25	
o-Xylene	ND	0.0250	1	04/15/25	04/17/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/17/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/17/25	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		102 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2516047
Chloride	1660	20.0	1	04/15/25	04/16/25	



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#### FS207-0' E504115-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Benzene	ND	0.0250	1	04/15/25	04/17/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/17/25	
Toluene	ND	0.0250	1	04/15/25	04/17/25	
o-Xylene	ND	0.0250	1	04/15/25	04/17/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/17/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/17/25	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2516037
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	04/15/25	04/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2516048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/15/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/15/25	04/17/25	
Surrogate: n-Nonane		103 %	61-141	04/15/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2516047
Chloride	430	20.0	1	04/15/25	04/16/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

### FS208-0'

E504115-21						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516034
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2516034
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: HM		Batch: 2516057
Diesel Range Organics (C10-C28)	ND	25.0	1	04/16/25	04/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/16/25	04/16/25	
Surrogate: n-Nonane		113 %	61-141	04/16/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2516054
Chloride	692	20.0	1	04/16/25	04/16/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS211-0'

		E504115-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516034
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
o,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2516034
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: HM		Batch: 2516057
Diesel Range Organics (C10-C28)	62.4	25.0	1	04/16/25	04/16/25	
Oil Range Organics (C28-C36)	64.2	50.0	1	04/16/25	04/16/25	
Surrogate: n-Nonane		111 %	61-141	04/16/25	04/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2516054
Chloride	1180	20.0	1	04/16/25	04/16/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

#### FS216-0' E504115-23

		E304113-23				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2516034
Benzene	ND	0.0250	1	04/15/25	04/16/25	
Ethylbenzene	ND	0.0250	1	04/15/25	04/16/25	
Toluene	ND	0.0250	1	04/15/25	04/16/25	
o-Xylene	ND	0.0250	1	04/15/25	04/16/25	
p,m-Xylene	ND	0.0500	1	04/15/25	04/16/25	
Total Xylenes	ND	0.0250	1	04/15/25	04/16/25	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: SL		Batch: 2516034
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/15/25	04/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	04/15/25	04/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: HM		Batch: 2516057
Diesel Range Organics (C10-C28)	ND	25.0	1	04/16/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/16/25	04/17/25	
Surrogate: n-Nonane		108 %	61-141	04/16/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2516054
Chloride	156	20.0	1	04/16/25	04/16/25	



Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/21/2025 1:41:00PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2516034-BLK1) Prepared: 04/15/25 Analyzed: 04/15/25 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 7.85 8.00 98.1 70-130 LCS (2516034-BS1) Prepared: 04/15/25 Analyzed: 04/16/25 3.95 79.1 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.08 0.0250 5.00 81.7 70-130 4.07 0.0250 5.00 81.4 70-130 Toluene 80.9 o-Xylene 4.04 0.0250 5.00 70-130 10.0 81.6 70-130 8.16 0.0500 p.m-Xvlene 12.2 15.0 81.4 70-130 Total Xylenes 0.0250 8.00 97.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.76 Matrix Spike (2516034-MS1) Source: E504110-03 Prepared: 04/15/25 Analyzed: 04/16/25 4.16 0.0250 5.00 ND 83.3 70-130 Benzene ND 70-130 Ethylbenzene 4.32 0.0250 5.00 86.3 Toluene 4.29 0.0250 5.00 ND 85.8 70-130 4.28 ND 85.5 70-130 5.00 0.0250 o-Xylene p,m-Xylene 8.62 0.0500 10.0 ND 86.2 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.66 8.00 Matrix Spike Dup (2516034-MSD1) Source: E504110-03 Prepared: 04/15/25 Analyzed: 04/16/25 4.17 0.0250 5.00 ND 83.5 70-130 0.253 27

4.34

4 32

4.31

8.68

13.0

7.79

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

86.9

86.3

86.1

86.8

86.6

97.4

70-130

70-130

70-130

70-130

70-130

70-130

0.644

0.561

0.691

0.603

0.632

26

20

25

23

26



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/21/2025 1:41:00PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2516037-BLK1) Prepared: 04/15/25 Analyzed: 04/16/25 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 6.89 8.00 86.2 70-130 LCS (2516037-BS1) Prepared: 04/15/25 Analyzed: 04/18/25 5.39 108 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.31 0.0250 5.00 106 70-130 5.37 0.0250 5.00 107 70-130 Toluene o-Xylene 5.24 0.0250 5.00 105 70-130 10.7 10.0 107 70-130 0.0500 p.m-Xvlene 106 70-130 16.0 15.0 Total Xylenes 0.0250 8.00 89.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.12 Matrix Spike (2516037-MS1) Source: E504115-04 Prepared: 04/15/25 Analyzed: 04/16/25 4.95 0.0250 5.00 ND 99.1 70-130 Benzene 70-130 Ethylbenzene 4.82 0.0250 5.00 ND 96.5 Toluene 4.90 0.0250 5.00 ND 98.0 70-130 4.77 ND 95.4 70-130 5.00 0.0250 o-Xylene p,m-Xylene 9.74 0.0500 10.0 ND 97.4 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.91 8.00 Matrix Spike Dup (2516037-MSD1) Source: E504115-04 Prepared: 04/15/25 Analyzed: 04/16/25 5.10 0.0250 5.00 ND 102 70-130 2.84 27 70-130 3.52 5.00 0.0250 5.00 ND 100 26 Ethylbenzene 5.07 ND 70-130 3 39 20

0.0250

0.0250

0.0500

0.0250

4.92

10.1

15.0

6.87

5.00

5.00

10.0

15.0

8.00

101

98.5

101

100

85.8

70-130

70-130

70-130

70-130

3.20

3.55

3.44

25

23

26

ND

ND

ND



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/21/20251:41:00PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			4/2	21/2025 1:41:00PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2516034-BLK1)							Prepared: 0	4/15/25 Anal	yzed: 04/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			
LCS (2516034-BS2)							Prepared: 0	4/15/25 Anal	yzed: 04/15/25
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	70-130			
Matrix Spike (2516034-MS2)				Source:	E504110-	03	Prepared: 0	4/15/25 Anal	yzed: 04/15/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
Matrix Spike Dup (2516034-MSD2)				Source:	E504110-0	13	Prepared: 04	4/15/25 Analyzed: 04/15/25	;
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.1	70-130	13.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.2	70-130			

Matrix Spike Dup (2516037-MSD2)

42.4

7.39

20.0

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/21/20251:41:00PM

	Project Manager	r: As	hley Gioveng	go			4/	21/2025 1:41:00PM
Non	halogenated (	Organics l	by EPA 801	15D - GI	RO			Analyst: SL
Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
						Prepared: 0	4/15/25 Ana	lyzed: 04/16/25
ND	20.0							
7.42		8.00		92.7	70-130			
						Prepared: 0	4/15/25 Ana	lyzed: 04/16/25
38.4	20.0	50.0		76.8	70-130			
7.48		8.00		93.5	70-130			
			Source:	E504115-0	)4	Prepared: 0	4/15/25 Ana	lyzed: 04/16/25
40.2	20.0	50.0	ND	80.4	70-130			
7.28		8.00		91.0	70-130			
	Result mg/kg  ND  7.42  38.4  7.48	Nonhalogenated   Reporting   Limit   mg/kg   mg/kg     ND   20.0     7.42     38.4   20.0     7.48     40.2   20.0	Nonhalogenated Organics   Nonhalogenated Organics	Nonhalogenated Organics by EPA 80	Nonhalogenated Organics by EPA 8015D - GI   Result	Nonhalogenated Organics by EPA 8015D - GRO    Result   Result   Rec   Limit   Level   Result   Rec   Limits   mg/kg   mg/kg   mg/kg   mg/kg   %   %   %   %	Nonhalogenated Organics by EPA 8015D - GRO    Result   Rec   Limit   Level   Result   Rec   Limits   RPD   mg/kg   mg/kg   mg/kg   mg/kg   % % % %   % %   %   %   %   %   %	Nonhalogenated Organics by EPA 8015D - GRO   Reporting Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % % % % %

50.0

8.00

Source: E504115-04

84.8

92.4

ND

Prepared: 04/15/25 Analyzed: 04/16/25

20

5.35

70-130

70-130

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/21/20251:41:00PM

Danas 1A, 73240		1 Toject Ivianage	1. 710	micy Gloveng	30			2	172023 1.11.0011
	Nonha	logenated Or	ganics by	EPA 8015I	O - DRO	ORO/			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2516048-BLK1)							Prepared: 0	4/15/25 Analy	vzed: 04/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.8		50.0		91.6	61-141			
LCS (2516048-BS1)							Prepared: 0	4/15/25 Analy	zed: 04/17/25
Diesel Range Organics (C10-C28)	244	25.0	250		97.4	66-144			
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			
Matrix Spike (2516048-MS1)				Source:	E504115-1	12	Prepared: 0	4/15/25 Analy	zed: 04/17/25
Diesel Range Organics (C10-C28)	500	25.0	250	33.1	187	56-156			M2
Surrogate: n-Nonane	48.7		50.0		97.4	61-141			
Matrix Spike Dup (2516048-MSD1)				Source:	E504115-1	12	Prepared: 0	4/15/25 Analy	zed: 04/17/25
Diesel Range Organics (C10-C28)	303	25.0	250	33.1	108	56-156	49.1	20	R3
Surrogate: n-Nonane	49.1		50.0		98.3	61-141			

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo4/21/20251:41:00PM

	Project Manager	r: As	mey Gloveng	;0				4/21/2023 1.41.00FN
Nonha	logenated Or	ganics by l	EPA 8015D	o - DRO	/ORO			Analyst: HM
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	4/16/25 A	Analyzed: 04/16/25
ND	25.0							
ND	50.0							
52.2		50.0		104	61-141			
						Prepared: 0	4/16/25 A	Analyzed: 04/16/25
280	25.0	250		112	66-144			
52.5		50.0		105	61-141			
			Source:	E504120-0	01	Prepared: 0	4/16/25 A	Analyzed: 04/16/25
289	25.0	250	ND	116	56-156			
54.2		50.0		108	61-141			
			Source:	E504120-0	01	Prepared: 0	4/16/25 A	Analyzed: 04/16/25
295	25.0	250	ND	118	56-156	1.85	20	
	Result mg/kg  ND ND 52.2  280 52.5	Nonhalogenated Organization   Reporting   Limit   mg/kg	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 8015E   Result	Result mg/kg         Reporting Limit Level mg/kg         Spike Level Result Rec mg/kg         Source Result Rec mg/kg         Rec mg/kg         %           ND 50.0         50.0         50.0         104           280 25.0         250 105         112           52.5         50.0         105           Source: E504120-6           289 25.0         250 ND 116           54.2         50.0         108	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   mg/kg   mg/kg   mg/kg   mg/kg   %   %   %	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   RPD   mg/kg   mg/kg   mg/kg   % % %   %   %	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   RPD   Limit   mg/kg   mg/kg   mg/kg   % % % % % % % % % % % % % % % % % %

Chloride

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Big Bucks Fed Com 501H 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/21/2025 1:41:00PM

		Anions	by EPA 3	00.0/9056 <i>A</i>	1				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2516047-BLK1)							Prepared: 0	4/15/25 Ana	lyzed: 04/15/25
Chloride	ND	20.0							
LCS (2516047-BS1)							Prepared: 0	4/15/25 Ana	lyzed: 04/15/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2516047-MS1)				Source:	E504115-0	05	Prepared: 0	4/15/25 Ana	lyzed: 04/15/25
Chloride	1110	20.0	250	863	100	80-120			
Matrix Snike Dun (2516047-MSD1)				Source:	E504115-0	05	Prepared: 0	4/15/25 Anai	lyzed: 04/15/25

250

80-120

1120

20.0



Chloride

Chloride

Matrix Spike Dup (2516054-MSD1)

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 2	Big Bucks Fed 3003-0002 Ashley Giovens					<b>Reported:</b> 4/21/2025 1:41:00PM
		Anions	by EPA	300.0/9056	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 (2516054-BLK1)							Prepared: 0	4/16/25 Ar	nalyzed: 04/16/25
Chloride	ND	20.0							
LCS (2516054-BS1)							Prepared: 0	4/16/25 Ar	nalyzed: 04/16/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2516054-MS1)				Source:	E504116-0	)3	Prepared: 0	4/16/25 Ar	alyzed: 04/16/25

250

250

20.0

20.0

ND

ND

103

102

Source: E504116-03

80-120

80-120

0.230

Prepared: 04/16/25 Analyzed: 04/16/25

20

257

256

#### 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:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/21/25 13:41

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

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

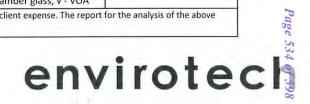
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Pagel	of
e TX	Received by OCD: 5/27/2025 1:00:10 PM f
RCRA	CD: 5/2
or N	77/2025
	1:00:10
	PM

	Clie	ent Inform	mation			Invoice Inform	nation			La	b Us	se On	ly				T	AT		e			
Client: Matador Production Company						Company: Ensolum LLC			Lab WO# Job Number							1D	2D	3D St	d NM	NM CO UT TX			
Project:	Big Bucks F	ed Com 5	01H			Address: 3122 National Parks Hwy			50-	1115	5	23	US:	O	Z			×	×				
Project N	Manager: As	shley Gio	vengo			City, State, Zip: Carlsbad NM, 88220																	
Address:	3122 Natio	onal Park	s Hwy			Phone: 575-988-0055						Ana	lysis	and	Met	hod			EPA Program				
City, Stat	te, Zip: Carl	sbad NM	, 88220		Email: agiovengo@enso	lum.com												SDWA	CWA	RCRA			
	575-988-005				N	Aiscellaneous:																	
Email: a	giovengo@e	ensolum.	com						115	15										Compliance Y or N			
									y 80	9 80	21	o	0.0	5	×	tals			PWSID#				
				Sam	ple Informa	ation			80 5	ROB	y 80.	826	e 30	N.	- 500	Me							
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0942	4/11/10	Soil	1		F	-S27-0'		1						+									
1144			1			142-11		2						4									
0853						43-0'		3						+									
0444						441		4						*									
0915						98		5						+									
0902						114		6						+									
0901						121		7						*									
0900						122		8						+									
0847				9		ns		9						1									
0850		1	1			1,124	- 76	10						+									
		ons: Ple	ease CC	: cburton@e	nsolum.co	m, agiovengo@ensolum.o	com, iestrella@	ensolu	m.co	m, ch	amil	tone	ens	olum	.con	n, bs	imm	ons@er	solum.cor	n,			
jhinkle@	ensolum.co	om, rrai@	ensolu	ım.com		Control But and the control of																	
I, (field sam	pler), attest to t	he validity ar	nd authent	cicity of this samp	le. I am aware	that tampering with or intentionally	y mislabeling the san	nple location	on, date	or tim	e of co	ollectio	n is cor	nsidere	ed frau	d and	may b	e grounds	for legal action	i.			
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						her arrangements are made. Ha									e clier	nt exp	ense.	The repo	rt for the ana	alysis of the	above		
samples is	applicable on	ly to those	samples	received by the	laboratory w	ith this COC. The liability of the	laboratory is limit	ed to the	amou	nt paid	d for a	on the	repor	τ.									





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Page	6	of	_

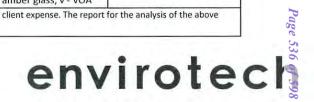
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Project:	Big Bucks Fe	ed Com 5	01H		Add	Address: 3122 National Parks Hwy				140	15		231	D3.	$\alpha$	Z			х	x			
Project N	Manager: As	shley Giov	engo		City	City, State, Zip: Carlsbad NM, 88220																	
Address:	3122 Natio	nal Parks	Hwy		Pho	ne: 575-988-00	55						Ana	lysis	and	Met	hod				PA Progra		
	e, Zip: Carls		88220		Em	ail: agiovengo@	ensolum.com													SDWA	CWA	RCRA	
	575-988-005				Misc	Miscellaneous:																1.0	
Email: a	giovengo@e	ensolum.c	om							015	115									Complian	ce Y	or N	
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					ple Informatio						ORO	oy 80	y 826	de 3(	C-N	- 500	8 Me				Remarks		
Time Sampled	Date Sampled	Matrix	No. o Contain			Sample ID	Fe	Numb	oer	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				Kemarks		
0927	4/11/2025	Soil	1		FS	5 139 -0	) 1	11							+								
0850			1		1	144-1		12							+								
0905						155-		13							+								
0911						169-		14							X								
0920						182-		15	)						+								
1239						186-	1,	16							×								
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0907						194-	0,	18							7								
0915						706 -	0'	19	1						+								
0913		J		,		207-		20	)						+								
Addition	al Instruction	ons: Ple	ase CC	: cburton@e	ensolum.com,	agiovengo@enso	lum.com, iestrel	la@enso	lum.	.com	, cha	milt	ton@	ens	olum	.con	ı, bsi	mm	ons@ei	solum.cor	n,		
	ensolum.co																						
						tampering with or inter	ntionally mislabeling the	e sample loca	ation,	date c	r time	of co	llection	is cor	sidere	ed frau	d and	may be	e grounds	for legal action	k.		
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envirotecises of the above

	Clie	nt Inform	nation			Invoice Information						Lab	Us	e On	ly	TAT					State				
Client: I	nt: Matador Production Company					Address: 3122 National Parks Hwy			La	ab W	Job	b Number				2D	3D St	Std	NM	CO UT	TX				
Project: Big Bucks Fed Com 501H					A				E	50	14	115	5	23	Eac	.00	02				х	х			
Project I	Manager: As	hley Giov	engo		Ci	ty, State, Zip: Carlsbad NN	M, 88220	)	1.7																
Address: 3122 National Parks Hwy						Phone: 575-988-0055								Ana	lysis	and	Met	hod				EF	A Progr	am	
City, Sta	te, Zip: Carls	bad NM,	88220		E	mail: agiovengo@ensolu	ım.com															SDWA	CWA	RCRA	
Phone:	575-988-005	5			M	scellaneous:						- 1													
Email: a	giovengo@e	nsolum.c	om							ū	2	15				5					100	Complian	ce Y	or N	
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0919	4/11/2025	Seil	1		FS	268-0'			21							+									
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0914			1			716-0'			23							+									
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Addition	nal Instructio	ne: Dla	350 CC	· churton@	ansolum com	n, agiovengo@ensolum.co	m jostra	alla/	Pancol	lum c	om	cha	mil	tone	lanc	olun	cor	n ho	imm	ons	Dens	olum con	1		
La 174 500 12	ensolum.co				ensolum.com	i, agiovengo@ensoiam.co	in, iesti	Lila	E C11301		0111,	, ciia		cone	Cita	Oldii		., 53		Onse	Cina	olulli.com	,		
					ole. I am aware th	nat tampering with or intentionally n	nislabeling t	he sar	mple loca	tion, da	ate or	time	of co	llectio	n is co	nsider	ed frau	d and	l may b	e grou	nds for	r legal action.			
Sampled by	:Jenna Hinkle	and Rythum	Rai Ma	Higinia G	-c12662																				
	ned by: (Signatu			ate	Time	Received by: (Signature)		Date			ne											ust be received			
Jeni	na thank	3				Michelle Gonz	neg	4-	14.25	5	10	115				sampl	led or re	eceived lavs	packed	in ice a	t an av	g temp above (	but less that	n 6 °C on	
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Relinquish	ned by: (Signatu	re)	D	ate	Time	Received by: (Signature)		Date		Tin	ne					AVC	3 Ter	np °(	L	1					
Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - A	queous, <b>0</b> - Oth	er			Con	tainer T	ype: g	g - g	lass,	<b>p</b> - p	oly/	olasti					v - VO	A				
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						h this COC. The liability of the la																			





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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

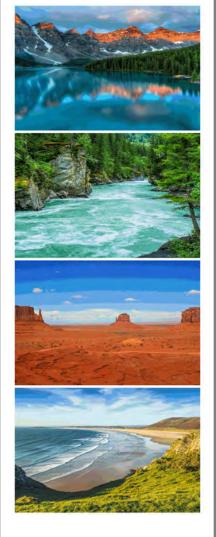
Instructions: Please take note of any NO checkmarks.

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:	04/15/25 (	07:30	Work Order ID:	E504115
Phone:	(972) 371-5200	Date Logged In:	04/14/25	15:20	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/21/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location man	tch the COC	Yes			
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: Cou	<u>ırier</u>	
4. Was the	COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	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		<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>ooler</u>					
7. Was a s	ample cooler received?		Yes			
8. If yes, v	vas cooler received in good condition?		Yes			
9. Was the	sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
12. Was the	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 risible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C	•		_			
	ueous 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'	7	Yes			
	ppropriate volume/weight or number of sample contain		Yes			
Field Lab	• • •	nois concerca.	105			
	rield sample labels filled out with the minimum info	ormation.				
	imple ID?	mation.	Yes			
	ate/Time Collected?		Yes			
Co	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does t	he COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	mple(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved me	etals?	No			
Multipha	se Sample Matrix					
26. Does t	he sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
	act Laboratory					
-	mples required to get sent to a subcontract laborato	en r9	No			
	subcontract laboratory specified by the client and it	-	NA NA	Cultinantus at I also N	AT A	
		i so wilo:	IVA	Subcontract Lab: N	NA	
Client In	<u>struction</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: Big Bucks Fed Com 501H

Work Order: E504300

Job Number: 23003-0002

Received: 4/30/2025

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 5/8/25

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

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

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

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

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

Date Reported: 5/8/25

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

Project Name: Big Bucks Fed Com 501H

Workorder: E504300

Date Received: 4/30/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/30/2025 8:00:00AM, under the Project Name: Big Bucks Fed Com 501H.

The analytical test results summarized in this report with the Project Name: Big Bucks Fed Com 501H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

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Lynn Jarboe

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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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### **Sample Summary**

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo05/08/25 15:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS37-0.5'	E504300-01A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS44-0.5'	E504300-02A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS49-0.5'	E504300-03A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS69-0.5'	E504300-04A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS79-0.5'	E504300-05A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS85-0.5'	E504300-06A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS87-0.5'	E504300-07A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS88-0.5'	E504300-08A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS90-0.5'	E504300-09A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS91-0.5'	E504300-10A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS103-0.5'	E504300-11A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS135-0.5'	E504300-12A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS170-0.5'	E504300-13A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS171-0.5'	E504300-14A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS172-1'	E504300-15A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS174-0.5'	E504300-16A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS182-1'	E504300-17A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS184-0.5'	E504300-18A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS216-1'	E504300-19A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.



Case Narative:

Project Name: {PROJECT}
Workorder:{WORKORDER}
Date Received: {RECEIVED}

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

Sample Name

<u>Laboratory ID</u>

**Analysis** 

FS88-0.5'

E504300-08

**DRO/ORO 8015** 

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

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

Respectfully,

Walter Hinchman

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS37-0.5' E504300-01

		E304300-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane		93.7 %	61-141	04/30/25	05/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2518069
Chloride	2500	40.0	2	04/30/25	04/30/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/8/20253:48:16PM

### FS44-0.5' E504300-02

	E304300-02				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2518056
ND	0.0250	1	04/30/25	05/01/25	
ND	0.0250	1	04/30/25	05/01/25	
ND	0.0250	1	04/30/25	05/01/25	
ND	0.0250	1	04/30/25	05/01/25	
ND	0.0500	1	04/30/25	05/01/25	
ND	0.0250	1	04/30/25	05/01/25	
	93.6 %	70-130	04/30/25	05/01/25	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2518056
ND	20.0	1	04/30/25	05/01/25	
	92.9 %	70-130	04/30/25	05/01/25	
mg/kg	mg/kg	Ana	lyst: KH		Batch: 2518065
ND	25.0	1	04/30/25	05/01/25	_
ND	50.0	1	04/30/25	05/01/25	
	99.7 %	61-141	04/30/25	05/01/25	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2518069
1550	20.0	1	04/30/25	04/30/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           Mg/kg         mg/kg           ND         20.0           92.9 %         mg/kg           ND         25.0           ND         50.0           99.7 %         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           93.6 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           92.9 %         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           99.7 %         61-141           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         04/30/25           ND         0.0250         1         04/30/25           ND         0.0250         1         04/30/25           ND         0.0500         1         04/30/25           ND         0.0250         1         04/30/25           ND         0.0250         1         04/30/25           mg/kg         Malyst: SL         ND         04/30/25           mg/kg         Analyst: SL         ND         04/30/25           mg/kg         Mg/kg         Analyst: KH         ND         25.0         1         04/30/25           ND         50.0         1         04/30/25         04/	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/30/25         05/01/25           ND         0.0250         1         04/30/25         05/01/25           ND         0.0250         1         04/30/25         05/01/25           ND         0.0500         1         04/30/25         05/01/25           ND         0.0250         1         04/30/25         05/01/25           ND         0.0250         1         04/30/25         05/01/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/30/25         05/01/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         04/30/25         05/01/25           ND         25.0         1         04/30/25         05/01/25           ND         50.0         1         04/30/25         05/01/25           ND         50.0         1         04/30/25         05/01/25           ND         50.0         1         04/30/25



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/8/2023:48:16PM

### FS49-0.5' E504300-03

		200.000 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane		95.3 %	61-141	04/30/25	05/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2518069
Chloride	235	20.0	1	04/30/25	04/30/25	



Surrogate: n-Nonane

Chloride

Anions by EPA 300.0/9056A

### Sample Data

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/8/20253:48:16PM

#### FS69-0.5' E504300-04

#### Reporting Analyte Result Limit Dilution Analyzed Prepared Notes Analyst: SL Batch: 2518056 mg/kg mg/kg Volatile Organics by EPA 8021B 05/01/25 ND 0.0250 04/30/25 Benzene 04/30/25 05/01/25 Ethylbenzene ND 0.02501 ND 0.0250 1 04/30/25 05/01/25 Toluene 1 04/30/25 05/01/25 o-Xylene ND 0.02501 04/30/25 05/01/25 ND 0.0500 p,m-Xylene 04/30/25 05/01/25 0.0250 1 Total Xylenes ND 04/30/25 05/01/25 94.6 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: SL Batch: 2518056 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 05/01/25 ND 20.0 1 04/30/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 94.3 % 04/30/25 05/01/25 70-130 mg/kg mg/kg Analyst: KH Batch: 2518065 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 04/30/25 05/01/25 Diesel Range Organics (C10-C28) 04/30/25 05/01/25 Oil Range Organics (C28-C36) ND 50.0 1

95.3 %

mg/kg

20.0

mg/kg

537

61-141

04/30/25

04/30/25

Analyst: RAS

1

05/01/25

04/30/25

Batch: 2518069

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/8/20253:48:16PM

### FS79-0.5' E504300-05

		200.000 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane		96.6 %	61-141	04/30/25	05/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2518069
Chloride	1120	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.Project Name:Big Bucks Fed Com 501H5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/8/2023:48:16PM

### FS85-0.5' E504300-06

		200.0000				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane		97.4 %	61-141	04/30/25	05/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2518069
Chloride	1950	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS87-0.5' E504300-07

		E304300-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Foluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
o,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane		94.5 %	61-141	04/30/25	05/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2518069
Chloride	1840	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS88-0.5' E504300-08

		200.000				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL	· · · · · · · · · · · · · · · · · · ·	Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
o,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2519072
Diesel Range Organics (C10-C28)	454	25.0	1	05/07/25	05/08/25	
Oil Range Organics (C28-C36)	546	50.0	1	05/07/25	05/08/25	
Surrogate: n-Nonane		109 %	61-141	05/07/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2518069
Chloride	2870	40.0	2	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS90-0.5' E504300-09

	1304500 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2518056
ND	0.0250	1	04/30/25	04/30/25	
ND	0.0250	1	04/30/25	04/30/25	
ND	0.0250	1	04/30/25	04/30/25	
ND	0.0250	1	04/30/25	04/30/25	
ND	0.0500	1	04/30/25	04/30/25	
ND	0.0250	1	04/30/25	04/30/25	
	92.6 %	70-130	04/30/25	04/30/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2518056
ND	20.0	1	04/30/25	04/30/25	
	94.3 %	70-130	04/30/25	04/30/25	
mg/kg	mg/kg	Analy	yst: KH		Batch: 2518065
36.9	25.0	1	04/30/25	05/02/25	
59.4	50.0	1	04/30/25	05/02/25	
	95.9 %	61-141	04/30/25	05/02/25	
mg/kg	mg/kg	Analy	yst: RAS		Batch: 2518069
1610	20.0	1	04/30/25	04/30/25	
	mg/kg ND ND ND ND ND ND ND ND ND SSSSSSSSSSS	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         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         50.0           MB/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           mg/kg         mg/kg         Analy           ND         20.0         1           94.3 %         70-130           mg/kg         mg/kg         Analy           36.9         25.0         1           59.4         50.0         1           95.9 %         61-141         61-141           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/30/25           ND         0.0250         1         04/30/25           ND         0.0250         1         04/30/25           ND         0.0250         1         04/30/25           ND         0.0500         1         04/30/25           ND         0.0250         1         04/30/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         04/30/25           mg/kg         mg/kg         Analyst: KH           36.9         25.0         1         04/30/25           59.4         50.0         1         04/30/25           mg/kg         Mg/kg         Analyst: KH         04/30/25	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         04/30/25         04/30/25           ND         0.0250         1         04/30/25         04/30/25           ND         0.0250         1         04/30/25         04/30/25           ND         0.0500         1         04/30/25         04/30/25           ND         0.0250         1         04/30/25         04/30/25           ND         0.0250         1         04/30/25         04/30/25           MD         0.0250         1         04/30/25         04/30/25           Mg/kg         mg/kg         Analyst: SL         ND         04/30/25           Mg/kg         mg/kg         Analyst: SL         04/30/25         04/30/25           Mg/kg         mg/kg         Analyst: KH         04/30/25         04/30/25           36.9         25.0         1         04/30/25         05/02/25           59.4         50.0         1         04/30/25         05/02/25           mg/kg         mg/kg         Analyst: RAS         05/02/25



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS91-0.5' E504300-10

		E304300-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		98.5 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2518069
Chloride	664	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS103-0.5'

E504300-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
o,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		98.2 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2518069
Chloride	309	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

#### FS135-0.5'

		E504300-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		96.3 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2518069
Chloride	2260	40.0	2	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

## FS170-0.5'

		E504300-13				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	59.1	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		96.9 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2518069
Chloride	789	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS171-0.5'

		E504300-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	439	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		94.9 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2518069
Chloride	1230	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS172-1' E504300-15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		94.5 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2518069
Chloride	44.2	20.0	1	04/30/25	04/30/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS174-0.5'

		E504300-16				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	37.3	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		94.8 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2518069
Chloride	604	20.0	1	04/30/25	05/01/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS182-1'

		E504300-17				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		93.9 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2518069
Chloride	ND	20.0	1	04/30/25	05/01/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

#### FS184-0.5'

		E504300-18				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		98.3 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2518069
Chloride	1470	20.0	1	04/30/25	05/01/25	



Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

### FS216-1' E504300-19

		E304300-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		86.4 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2518056
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	04/30/25	05/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2518065
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane		92.9 %	61-141	04/30/25	05/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2518069
Chloride	ND	20.0	1	04/30/25	05/01/25	



Big Bucks Fed Com 501H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 5/8/2025 3:48:16PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2518056-BLK1) Prepared: 04/30/25 Analyzed: 04/30/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: 4-Bromochlorobenzene-PID 7.25 8.00 90.7 70-130 LCS (2518056-BS1) Prepared: 04/30/25 Analyzed: 04/30/25 4.49 89.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.49 0.0250 5.00 89.7 70-130 4.50 0.0250 5.00 90.0 70-130 Toluene o-Xylene 4.45 0.0250 5.00 88.9 70-130 9.09 10.0 90.9 70-130 0.0500 p.m-Xvlene 90.2 13.5 15.0 70-130 Total Xylenes 0.0250 8.00 88.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.11 Matrix Spike (2518056-MS1) Source: E504300-09 Prepared: 04/30/25 Analyzed: 04/30/25 5.24 0.0250 5.00 ND 70-130 Benzene 104 70-130 Ethylbenzene 5.21 0.0250 5.00 ND Toluene 5.24 0.0250 5.00 ND 105 70-130 ND 103 70-130 5.14 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 70-130 15.7 0.0250 15.0 ND 70-130 Total Xylenes Surrogate: 4-Bromochlorobenzene-PID 7.19 8.00 70-130

Source: E504300-09

105

105

103

106

105

90.2

70-130

70-130

70-130

70-130

70-130

70-130

70-130

0.0133

0.456

0.212

0.529

0.494

0.505

ND

ND

ND

ND

ND

ND



Prepared: 04/30/25 Analyzed: 04/30/25

27

26

20

25

23

26

Matrix Spike Dup (2518056-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

5.25

5.24

5 25

5.17

10.6

15.8

7.22

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2025 3:48:16PM

Dallas TX, 75240		Project Manage		5/8/2025 3:48:16PM					
	Non	halogenated		Analyst: SL					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2518056-BLK1)							Prepared:	04/30/25 Ana	lyzed: 04/30/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.1	70-130			
LCS (2518056-BS2)							Prepared:	04/30/25 Ana	lyzed: 04/30/25
Gasoline Range Organics (C6-C10)	39.3	20.0	50.0		78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			
Matrix Spike (2518056-MS2)				Sourc	e: E50430	0-09	Prepared:	04/30/25 Ana	lyzed: 04/30/25
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			
Matrix Spike Dup (2518056-MSD2)				Sourc	e: E50430	0-09	Prepared:	04/30/25 Ana	lyzed: 05/01/25
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	ND	83.8	70-130	3.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/8/2025 3:48:16PM

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	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO		A	Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2518065-BLK1)							Prepared:	04/30/25 Ana	alyzed: 05/01/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.6	61-141			
LCS (2518065-BS1)							Prepared:	04/30/25 Ana	alyzed: 05/01/25
Diesel Range Organics (C10-C28)	252	25.0	250		101	66-144			
Surrogate: n-Nonane	45.8		50.0		91.5	61-141			
Matrix Spike (2518065-MS1)				Sourc	e: E50430	0-12	Prepared:	04/30/25 Ana	alyzed: 05/01/25
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	47.4		50.0		94.8	61-141			
Matrix Spike Dup (2518065-MSD1)				Sourc	e: E50430	00-12	Prepared:	04/30/25 Ana	alyzed: 05/01/25
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156	2.15	20	
Surrogate: n-Nonane	46.8		50.0		93.7	61-141			
· · · · · · · · · · · · · · · · · · ·									

Matador Resources, LLC.Project Name:Big Bucks Fed Com 501HReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/8/2025 3:48:16PM

Dallas TX, /5240		Project Manage	r: As	sniey Giovens	go			3/8	/2025 3:48:16PM
	Nonha	logenated Or	ganics by	EPA 80151	O - DRO	/ORO		1	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 (2519072-BLK1)							Prepared:	05/07/25 Ana	alyzed: 05/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.7		50.0		105	61-141			
LCS (2519072-BS1)							Prepared:	05/07/25 Ana	alyzed: 05/07/25
Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
Surrogate: n-Nonane	50.6		50.0		101	61-141			
Matrix Spike (2519072-MS1)				Source	e: E50507	<b>78-01</b>	Prepared:	05/07/25 Ana	alyzed: 05/07/25
Diesel Range Organics (C10-C28)	6010	25.0	250	6100	NR	56-156			M4
Surrogate: n-Nonane	53.0		50.0		106	61-141			
Matrix Spike Dup (2519072-MSD1)				Sourc	e: E50507	<b>78-01</b>	Prepared:	05/07/25 Ana	alyzed: 05/07/25
Diesel Range Organics (C10-C28)	5990	25.0	250	6100	NR	56-156	0.278	20	M4
Surrogate: n-Nonane	51.0		50.0		102	61-141			
Matrix Spike Dup (2519072-MSD1) iesel Range Organics (C10-C28)	53.0		50.0 250	Sourc	106 e: <b>E50507</b> NR	61-141 <b>78-01</b> 56-156			alyzed: 0



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		ig Bucks Fed (	Com 501F	I			Reported:			
Dallas TX, 75240		3	Project Manager: Ashley Giovengo									
		Anions	by EPA 3	300.0/9056 <i>A</i>	1			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 (2518069-BLK1)							Prepared:	04/30/25	Analyzed: 04/30/25			
Chloride	ND	20.0										
LCS (2518069-BS1)							Prepared:	04/30/25	Analyzed: 04/30/25			
Chloride	255	20.0	250		102	90-110						
Matrix Spike (2518069-MS1)				Sourc	e: E50430	0-02	Prepared:	04/30/25	Analyzed: 04/30/25			
Chloride	1420	20.0	250	1550	NR	80-120			M4			
Matrix Spike Dup (2518069-MSD1)				Sourc	e: E50430	0-02	Prepared:	04/30/25	Analyzed: 04/30/25			
Chloride	1220	20.0	250	1550	NR	80-120	14.6	20	M4			

#### QC Summary Report Comment:

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



### **Definitions and Notes**

Matador Resources, LLC.	Project Name:	Big Bucks Fed Com 501H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/08/25 15:48

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

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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nalytic	al Laborat	ory																			
	Clien	nt Inform	nation	Invoice Information					La	b Us	e Or	ly				TA	AT		St	ate	
Project N	Matador Prod Jame: Big Bu	icks Fed	Com 501H	Company: Ensolum LLC Address: 3122 National Parks H City, State, Zip: Carlsbad NM, 8			Lab W	vo#	30	0	Job 23	Num		5	1D	2D	3D Std	NM x	co l	JT TX	E
	Nanager: Asl 3122 Nation			Phone: 575-988-0055	3220		Г	-	-	-	Ana	lvsis	and	Met	hod	-		EP	A Pro	gram	_
City, Stat	e, Zip: Carls	bad NM,		Email: agiovengo@ensolum.co	om		Ī			ī	7,110	1,010						SDWA	CWA		RCRA
	giovengo@e		om					8015	15									Complianc	e	Y or	r N
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				Sample Information		d		ORO L	ORO L	oy 80	y 826	de 30	- 500	8 Me		NN-	Ĭ.	Samle Temp		Remark	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Lal Num	b	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	верос	San	r	emark	5
17:20	4/28/2025	S	1	FS37 - 0.5'		1										x		2.1			
17:17	4/28/2025	S	1	FS44- 0.5'		2										х		1.9			
16:33	4/28/2025	S	1	FS49 - 0.5'		3	3									х		1.5			
12:46	4/28/2025	S	1	FS69 - 0.5'		4										x		1.0			
11:42	4/28/2025	S	1	FS79 - 0.5'		5	)									x		1.1			
11:45	4/28/2025	S	1	FS85 - 0.5'		6	)									x		2.60			
13:57	4/28/2025	S	1	FS87 - 0.5'		7										x		2.2			
12:50	4/28/2025	S	1	FS88 - 0.5'		8										x		2.1			
13:12	4/28/2025	S	1	FS90 - 0.5'		9										х		3.0			
14:00	4/28/2025	S	1	FS91 - 0.5'		10	)									x		3.1			

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

bmoir@ensolum.com

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

Relinquished by: (Signature) Dluwale Adermho	A 29 25	OX: 15	Michelle Gonzales	4-29-25	0812	Samples requiring thermal preservation must be received or
Relinquished by: (Signature) onzules	H-29-25	Time	Received by: (Signature)	4.29.25	1700	ice the day they are sampled or received packed on ice at a temp
Relinquished by (Signature)	Date 4.2 9.25	233o	Received by: (Signature)	Date 4:30:25	7000	above 0 but less than 6°C on subsequent days.
helinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice:
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	(Y)N

Container Type: g - glass, p - poly/plastic, ag - amber glass, v Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_

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

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	Clier	nt Inforn	nation		Invo	ice Information				La	b Us	e On	ly				TA	AT		Stat				
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	lame: Big Bu					National Parks Hwy Carlsbad NM, 88220	)	- Fr	200	130	0	25	OB.	.00	<u> </u>	_		×	] X					
	Manager: Asl 3122 Nation				Phone: 575-98	CONTRACTOR OF THE PARTY OF THE					-	Ana	lysis	and	Meth	nod			EF	A Progra				
	e, Zip: Carls					ngo@ensolum.com													SDWA	CWA				
T 200 / 5 -	575-988-005				Miscellaneous:														0 1	- I v				
Email: a	giovengo@e	nsolum.c	om						by 8015	8015				W. I	s				Complian PWSID #	ce Y				
				Sample Info	rmation								O by	O by	8021	3260	300.0	XT - 2	Metal		MM	¥		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field Filter	Lab Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC-TX	Samle Temp	Rer				
11:39	4/28/2025	S	1		FS103 - 0.5'			11									x		3.3					
17:51	4/28/2025	S	1		FS135 - 0.5'			12									x		2.8					
14:44	4/28/2025	S	1		FS170 - 0.5'			13									x		2.0					
17:53	4/28/2025	S	1		FS171 - 0.5'			14									x		1.1					
14:46	4/28/2025	S	1		FS172 - 1'			15									x		1.6					
18:32	4/28/2025	S	1		FS174 - 0.5'			10				3					x		1.4					
16:28	4/28/2025	S	1		FS182 - 1'			17									x		2.2					
16:30	4/28/2025	S	1		FS184 - 0.5'			18									x		2.0					
18:34	4/28/2025	S	1		FS216 - 1'			19							Ш		x		5.8					
							i.																	
			ase CC: c	ourton@ensolun	n.com, agiovengo@	ensolum.com, iest	rella(	@ensolu	ım.cc	om, c	hami	ilton	@en	solur	n.cor	n, oa	der	into@er	solum.co	n,				
I, (field sam		validity an	d authenticit	of this sample. I am a	ware that tampering with o	or intentionally mislabeling	the sar	nple location	on, date	e or tim	e of co	ollectio	n is co	nsider	ed frau	d and	may b	e grounds f	or legal action					
	:Oluwale Aderi ed by: (Signatur			Date	Time	Received by: (Signatur	rel-		*	Date		0.0		Time	100	-			Samples r	equiring t				
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4	1 1 0 0	1																		ixed on i				
Relinquished by: (Signature) Date			Time Received by: (Signature)					Date				Time					/	Y)/ N						

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.

Printed: 4/30/2025 10:47:10AM

#### **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:	04/30/25 08	8:00		Work Order ID:	E504300	
Phone:	(972) 371-5200	Date Logged In:	04/29/25 15	5:17		Logged In By:	Caitlin Mars	
Email:	agiovengo@ensolum.com	Due Date:		7:00 (4 day TA	<b>T</b> )	<i>50</i> ,		
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 ma	tch the COC	Yes					
3. Were s	amples dropped off by client or carrier?		Yes	Carrie	r: <u>Courier</u>			
4. Was the	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.e, 15 minute hold time, are not included in this disucss	•	Yes			<u>Commen</u>	ts/Resolution	
Sample T	urn Around Time (TAT)							
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes					
Sample C	Cooler 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?  Note: Thermal preservation is not required, if samples at 15 minutes of sampling	re received within	Yes					
13. See C	OC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded in	n comments.				
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	s?	Yes					
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes					
Field Lab	<u>oel</u>							
	field sample labels filled out with the minimum infample ID?	ormation:	Yes					
	rate/Time Collected?		Yes					
	ollectors name?		Yes					
Sample F	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	filtration required and/or requested for dissolved m	etals?	No					
Multipha	se Sample Matrix							
	the sample have more than one phase, i.e., multipha	ase?	No					
	, does the COC specify which phase(s) is to be anal		NA					
	ract Laboratory	•						
·	amples required to get sent to a subcontract laborate	smr9	No					
	subcontract laboratory specified by the client and i	•		Subcontract 1	I ah. NIA			
		ii so wiio:	IVA	Subcontract	Lau. NA			
CHERT II	<u>nstruction</u>							
								1

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

**—** (

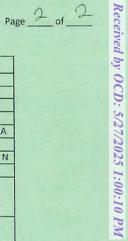
Date

Received by OCD: 5/27/2025 1:00:10 PM

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above

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

#### **Chain of Custody**



	Clie	nt Inform	nation	Invoice Information														TA	The second secon					
Client: N	Matador Pro	duction C	ompany			Company: Enso	olum LLC		1	lab V	NO#			Job	Numl	ber		1D	2D	3D	Std	NM	CO UT	TX
Project N	Name: Big B	icks Fed (	Com 501H	l l		Address: 3122 f	National Parks Hwy	,		E	204	30	0	23	03	.00	52				×	×		
Project N	Manager: As	hley Giov	engo		100	City, State, Zip:	Carlsbad NM, 8822	20																
Address:	3122 Natio	nal Parks	Hwy			Phone: 575-98	8-0055							Ana	lysis	and	Met	hod					A Progra	
City, Stat	te, Zip: Carls	bad NM,	88220			Email: agiover	ngo@ensolum.com															SDWA	CWA	RCRA
	575-988-005					Miscellaneous:																	134	
Email: a	giovengo@e	nsolum.c	om							-	8015	8015										Complianc	e Y	or N
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lat Numi	ber	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by	Chloride	TCEQ 1005	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Ken	narks
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17:51	4/28/2025	S	1			FS135 - 0.5'			12	?									x			2.8		
14:44	4/28/2025	S	1		. 15	FS170 - 0.5'			13	>									×			2.0		
17:53	4/28/2025	S	1			FS171 - 0.5'			14										x			1.1		
14:46	4/28/2025	S	1			FS172 - 1'			15	5									x			1.6		
18:32	4/28/2025	S	1			FS174 - 0.5'													х			1.4		
16:28	4/28/2025	S	1			FS182 - 1'			17										x			2.2		
16:30	4/28/2025	S	1			FS184 - 0.5'		18										x			2.0			
18:34	4/28/2025	S	1			FS216 - 1'			19										x			5.8		
	al Instruction		ase CC: cb	ourton@ensol	um.	com, agiovengo@	ensolum.com, ies	trella	@enso	olum	n.co	m, cl	nami	lton(	@ens	olur	n.cor	m, oa	aderi	nto(	@ens	solum.com	i.	
I, (field samp	oler), attest to th	e validity and	authenticity	of this sample. I as	m awa	re that tampering with o	r intentionally mislabeling	the sa	imple loc	ation,	date	or tim	e of co	llection	n is cor	sidere	ed frau	d and	may be	e grou	nds fo	r legal action.		
	_Oluwale Ader	Toronto and Alberta Control			-								7.16			-								
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Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Sluc	ige, A - Aque	ous, 0 - Other   Container						ner Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
							e made. Hazardous sar										client	expe	nse. T	he re	port f	or the analys	is of the a	bove
samples is	applicable only	to those sa	imples rece	ived by the labora	atory	with this COC. The lial	bility of the laboratory	is limit	ted to th	he am	ount	paid	for or	the r	eport.									



# **APPENDIX E**

NMOCD Correspondence

From: Velez, Nelson, EMNRD

To: Ashley Giovengo

Cc: Chad Hamilton; Jason Touchet; Bratcher, Michael, EMNRD

Subject: Re: [EXTERNAL] Confirmation Sampling Variance - Big Bucks Fed Com 501 - Incident Number nAPP2117649736

**Date:** Thursday, March 20, 2025 2:10:50 PM

Attachments: <u>image001.png</u>

image002.png image003.png Outlook-tgroprur.png

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

Good afternoon Ashley,

Thank you for the inquiry. Your alternative sampling plan request not to exceed 400 square feet (ft.2) from the excavation floor and 200 ft.2 from the excavation sidewalls for each five (5) point composite per 19.15.29.12D (1b) NMAC is approved. All other provisions addressed in 19.15.29.12D NMAC remain in effect.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Ashley Giovengo <agiovengo@ensolum.com>

**Sent:** Thursday, March 20, 2025 1:05 PM

**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov> **Cc:** Chad Hamilton <chamilton@ensolum.com>; Jason Touchet

<jason.touchet@matadorresources.com>

**Subject:** [EXTERNAL] Confirmation Sampling Variance - Big Bucks Fed Com 501 - Incident Number nAPP2117649736

Released to Imaging: 7/14/2025 3:02:16 PM

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

Hello.

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Big Bucks Fed Com 501 (Site). On June 25, 2021, a leaking minion tank resulted in the release of approximately 20 barrels (bbls) of produced water onto the caliche pad; 15 bbls were recovered from the release area. Ascent Energy, LLC reported the release to the New Mexico Oil Conservation Division (NMOCD) and subsequently the release was assigned (Incident Number nAPP2117649736). Matador Production Company acquired Ascent Energy, LLC and has since assumed responsibility for remediation of the subject matter release. The release impacted an area approximately 90,725 square feet (sq. ft.) in size on Federal Land managed by the Bureau of Land Management; the entire release remained on-pad. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, CP-02032-POD1, located within a half-mile radius of the Site. The well had a reported depth to groundwater greater than 105 feet below ground surface (bgs) and a total depth of 105 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is an intermittent dry wash located approximately 0.54 miles southwest of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg TPH – Gasoline Range Organics (GRO) and TPH – Diesel Range Organics (DRO), 2,500 mg/kg Total TPH and 20,000 mg/kg chloride. Lateral and vertical delineation sampling has been completed in accordance with the strictest Closure Criteria per NMOCD Table I (see Figure 2) and all 21 discrete delineation soil sample locations were in compliance with the Site Closure Criteria at ground surface (see Table 1). Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin confirmation soil sampling activities at the Site on March 24, 2025, and intends to remove any impacts that exceed the Site Closure Criteria via mechanical equipment. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 105 ft bgs, Matador believes this variance request will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this variance request associated with Incident Number

Thanks,

(nAPP2117649736).



"Your authenticity is your superpower." – Unknown

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 444555

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	444555
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2117649736
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H

Location of Release Source	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	90,760
What is the estimated number of samples that will be gathered	227
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.500421,-103.621775

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 444555

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	444555
	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.	3/21/2025

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 444558

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	444558
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2117649736
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H

Location of Release Source	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	90,760
What is the estimated number of samples that will be gathered	227
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/27/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.500421,-103.621775

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 444558

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	444558
	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.	3/21/2025

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

QUESTIONS

Action 445766

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	445766
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2117649736
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H

Location of Release Source	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	90,760
What is the estimated number of samples that will be gathered	227
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.500421,-103.621775

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 445766

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	445766
	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.	3/26/2025

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

QUESTIONS

Action 449854

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	449854
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2117649736
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H

Location of Release Source	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,400
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/10/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.500421,-103.621775

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 449854

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	449854
	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.	4/8/2025

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

QUESTIONS

Action 449863

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	449863
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites		
Incident ID (n#)	nAPP2117649736	
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H	

ocation of Release Source	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	34,400	
What is the estimated number of samples that will be gathered	86	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/11/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249	
Please provide any information necessary for navigation to sampling site	32.500421,-103.621775	

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 449863

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	449863
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Cre	eated 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.	4/8/2025

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

QUESTIONS

Action 455134

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	455134
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites		
Incident ID (n#)	nAPP2117649736	
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H	

ocation of Release Source	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	7,600	
What is the estimated number of samples that will be gathered	19	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/28/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Oluwale Aderinto (505) 617-1363	
Please provide any information necessary for navigation to sampling site	32.500421,-103.621775	

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 455134

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	455134
	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.	4/24/2025

Phone: (505) 629-6116
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 455136

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	455136
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2117649736
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H

Location of Release Source	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	7,600
What is the estimated number of samples that will be gathered	19
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Oluwale Aderinto (505) 617-1363
Please provide any information necessary for navigation to sampling site	32.500421,-103.621775

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 455136

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	455136
	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.	4/24/2025

Phone: (505) 629-6116

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

QUESTIONS

Action 467444

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	467444
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Prerequisites	
Incident ID (n#)	nAPP2117649736
Incident Name	NAPP2117649736 BIG BUCKS FED COM 501 @ 30-025-47064
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-47064] BIG BUCKS FEDERAL COM #501H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG BUCKS FED COM 501
Date Release Discovered	06/25/2021
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Produced Water   Released: 20 BBL   Recovered: 15 BBL   Lost: 5 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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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 467444

QUESTIONS (	continued)
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QUESTI	ions (continued)
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	467444 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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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.
L.W.I.D.	
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s  The source of the release has been stopped	True
The impacted area has been secured to protect human health and the	True
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 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 required asses 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 Date: 05/27/2025

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 3

Action 467444

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	467444
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

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

Remediation Plan		
Please answer all the questions th	at apply or are indicated. This information must be provided to t	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 de	monstrating 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 vertica	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in mill	ligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	12300
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	20170
GRO+DRO	(EPA SW-846 Method 8015M)	6070
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	Il the remediation commence	04/09/2025
On what date will (or did) the	ne final sampling or liner inspection occur	04/28/2025
On what date will (or was) t	the remediation complete(d)	04/28/2025
What is the estimated surfa	ce area (in square feet) that will be reclaimed	8000
What is the estimated volur	me (in cubic yards) that will be reclaimed	103
What is the estimated surfa	ce area (in square feet) that will be remediated	90724
What is the estimated volur	me (in cubic yards) that will be remediated	393
These estimated dates and measur	rements 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: 7/14/2025 3:02:16 PM

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 467444

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	467444
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land, LLC
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Jason Touchet Title: EHS Field Rep

Email: jason.touchet@matadorresources.com

Date: 05/27/2025

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 <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 5

Action 467444

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	467444
	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

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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 467444

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	MATADOR PRODUCTION COMPANY	228937
ı	One Lincoln Centre	Action Number:
ı	Dallas, TX 75240	467444
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	455136
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/29/2025
What was the (estimated) number of samples that were to be gathered	19
What was the sampling surface area in square feet	7600

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	90724	
What was the total volume (cubic yards) remediated	393	
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	8000	
What was the total volume (in cubic yards) reclaimed	103	
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: 05/27/2025

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 7

Action 467444

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	467444
	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 467444

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	467444
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Created By		Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops. Release resolved.	7/14/2025