



May 21, 2024

**New Mexico Oil Conservation Division**

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

**Re: Deferral Request  
Jack Sleeper/NOVO Booster Station  
Incident Number nAPP2404348731  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* to document excavation and soil sampling activities performed at the Jack Sleeper/NOVO Booster Station (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil following a release of produced water onto the well pad. Based on field observation following excavation, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Deferral Request*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2404348731 until the Site is reconstructed and/or the booster pad is abandoned.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit E, Section 5, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.33595°, -104.10495°) and is associated with oil and gas exploration and production operations on Private Land.

On February 11, 2024, a transfer pump seal failed, which resulted in the pump containment area to overflow. As a result, approximately 464 barrels (bbls) of produced water was released on to the pad; 282 bbls of produced water was recovered immediately upon discovery of the release. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Release Notification Form C-141 (Form C-141) via web portal on February 12, 2024, and the release was assigned Incident Number nAPP2404348731.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-03800 POD1, with a depth to water measurement of 36 feet below

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
Deferral Request

ground surface (bgs). The well is located 1,075 feet west of the Site. All wells used to establish depth to groundwater are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a wetland area, located approximately 906 feet north 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 not within 1,000 feet of a freshwater well or spring. The Site is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Potential Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

## DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On February 12, 2024, Ensolum personnel were onsite to map the release extent and on February 29, 2024, to begin delineation sampling of the release area. Delineation soil samples SS01 through SS05 were collected at the ground surface (0 feet bgs) to verify the lateral extent of the release area. Three borehole samples, BH01 through BH03, were advanced via hand auger to depths of 1-foot bgs to verify the vertical extent of the release area. Soil samples were field screened for chloride utilizing Hach® chloride QuanTab® test strips and Mohr's titration method. All boreholes and delineation soil sample locations are depicted on Figure 2. A photographic log including delineation and excavation activities can be found in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

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

From April 15 through May 8, 2024, Ensolum personnel were on the Site to complete excavation of the accessible release area. Excavation of the release area was completed with a backhoe, loader, hydrovac, and hand tools to depths ranging from the ground surface to 6.5 feet bgs. Following removal of impacted soil, Ensolum personnel collected 70, 5-point composite soil samples (FS01 through FS70) representing up to 200 square feet from the excavation floor and 12 from the sidewall. 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. Ten sidewall samples (SW01 through SW10) were collected from the edge of the release extent at depths ranging from the ground surface to 4.5 feet bgs and two sidewall samples (SW11 and SW12) were collected from the edge of equipment areas. One borehole (BH04) was advanced within the area of requested deferral. Excavation confirmation floor, sidewall, and borehole soil samples were handled and analyzed following the same

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
Deferral Request

procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

A total of approximately 1,740 cubic yards of impacted soil was removed during excavation activities to the maximum extent practicable (MEP). The final excavation extent measured approximately 13,909 square feet. The impacted soil was removed during the excavation activities and was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was secured with fencing. Following deferral, Matador intends to complete remediation of the on-pad and off-pad spill areas in accordance with the site Closure Criteria and according to the reclamation requirement following major Site reconstruction or reclamation of the production pad.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS05) collected at 0 feet bgs were all in compliance with the strictest Closure Criteria for the Site per NMOCD Table I. Laboratory analytical results for all excavation floor confirmation samples (FS01 through FS70) were in compliance with the Closure Criteria for the Site, with the exception of floor confirmation sample FS48 for chloride. This sample location was in the direct vicinity of production equipment piping and supports, limiting further excavation. Vertical delineation in compliance with the strictest Closure Criteria was achieved in BH01 through BH04 at depths of 1, 1, 1, and 4 feet bgs, respectively.

Excavation floor confirmation samples (FS41 and FS59) comprise the extent of the release off-pad. Laboratory analytical results for all off-pad excavation floor confirmation samples were in compliance with the strictest Closure Criteria per 19.15.29.13.D (1) NMAC. The laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included in Appendix D. All sampling notifications to NMOCD and additional correspondence is included in Appendix E.

## DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment, process piping, the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 1,753 square feet, and assuming a depth of up to 6.5 feet bgs under the electrical panels and pumps based on the analytical results from surrounding confirmation samples and 3 feet bgs in sample area FS58 based on delineation borehole BH04, a total of approximately 285 cubic yards of impacted soil remains in place. Soil in the vicinity of floor confirmation soil samples FS58 are included in this deferment request due to the proximity of production equipment and safety concerns of excavating deeper, which has the potential to destabilize the equipment and harm workers and/or the environment. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS05 at 0 feet bgs and vertically delineated by borehole samples BH01 through BH03 at 1-foot bgs, and borehole sample BH04 at 4 feet bgs.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be 36 feet bgs, and all accessible impacted soil was removed to the MEP during the excavation activities. Any gross impacts were removed via scraping of the ground surface. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
Deferral Request


deferral of final remediation for Incident Number nAPP2404348731 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,  
**Ensolum, LLC**



Ashley Giovengo  
Senior Engineer



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

cc: Clinton Talley, Matador Production Company

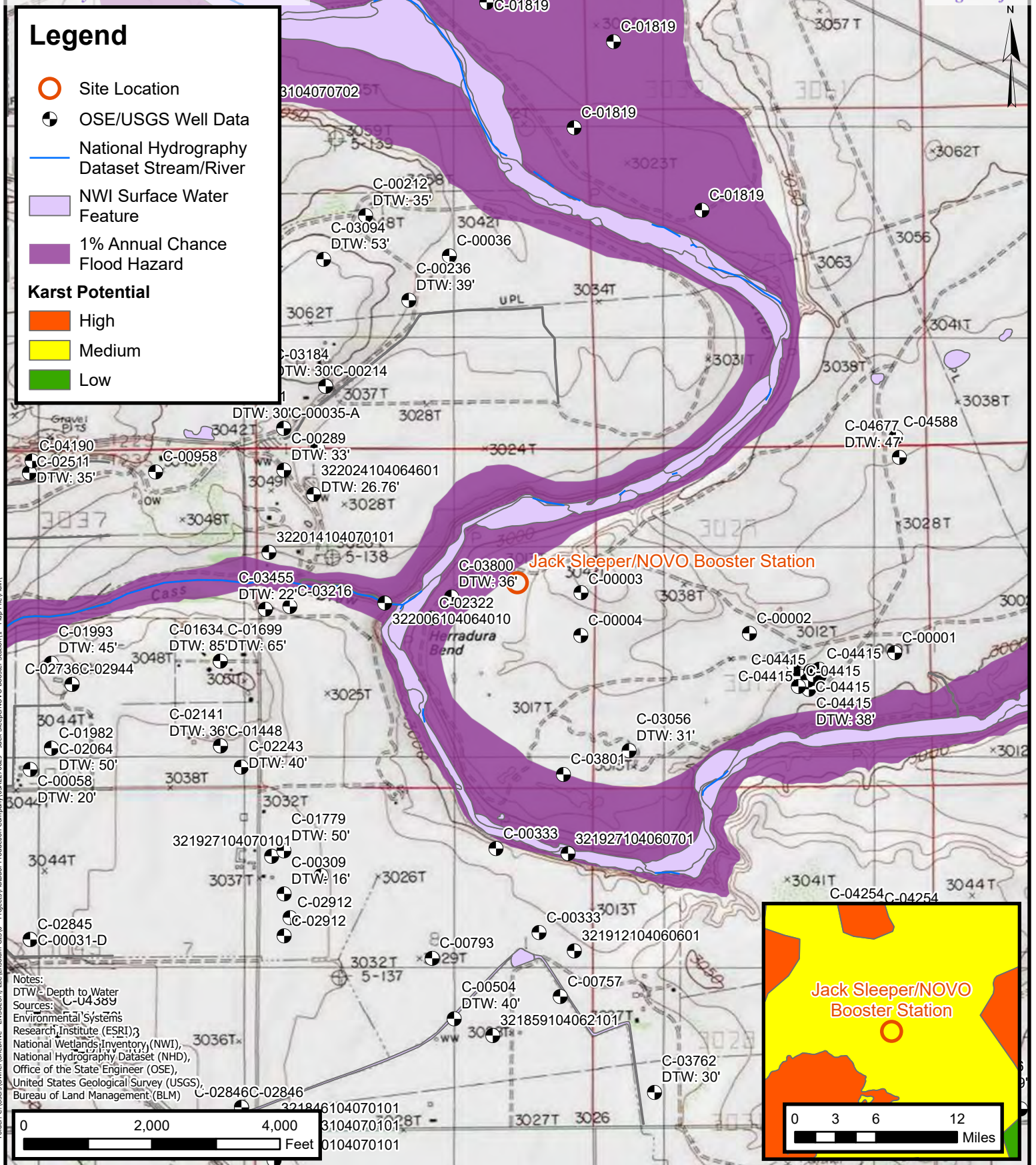
Appendices:

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





FIGURES



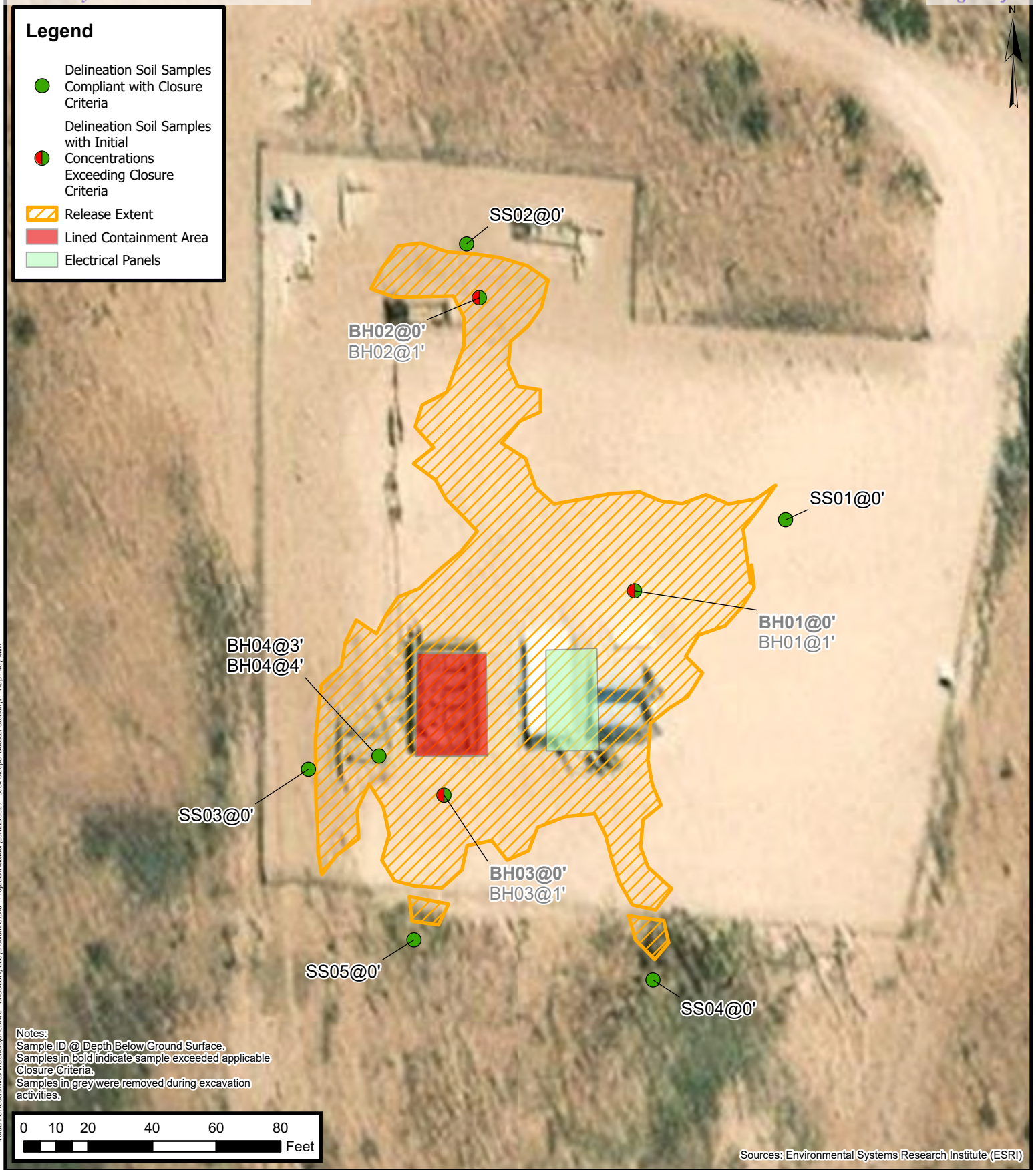
## Site Receptor Map

Matador Production Company  
 Jack Sleeper/NOVO Booster Station  
 Incident Number: nAPP2404348731  
 Unit E, Section 05, T 23S, R 28E  
 Eddy County, New Mexico

**FIGURE**

**1**





## Delineation Soil Sample Locations

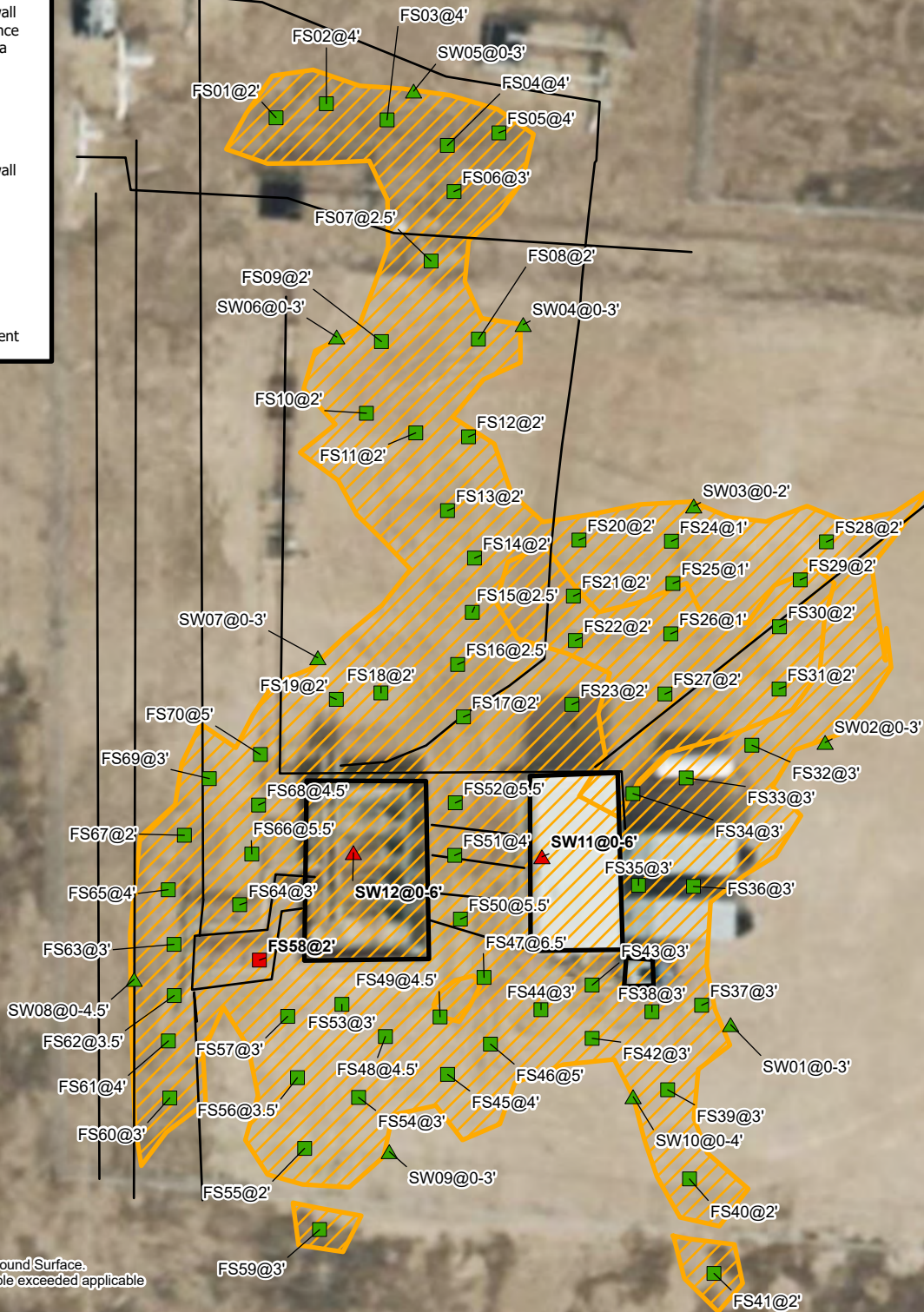
Matador Production Company  
Jack Sleeper/NOVO Booster Station  
Incident Number: nAPP2404348731  
Unit E, Sec 5, T23S, R28E  
Eddy Co, New Mexico, United States

**FIGURE**  
**2**



## Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Floor Sample with Concentrations Exceeding Closure Criteria
- ▲ Confirmation Sidewall Sample with Concentrations Exceeding Closure Criteria
- Pipelines and Equipment
- Release Extent
- Production Equipment



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable closure criteria.

0 5 10 20 30 40  
 Feet

Sources: Environmental Systems Research Institute (ESRI)

## Confirmation Soil Sample Locations

Matador Production Company  
 Jack Sleeper/NOVO Booster Station  
 Incident Number: nAPP2404348731  
 Unit E, Section 05, T 23S, R 28E  
 Eddy County, New Mexico

FIGURE

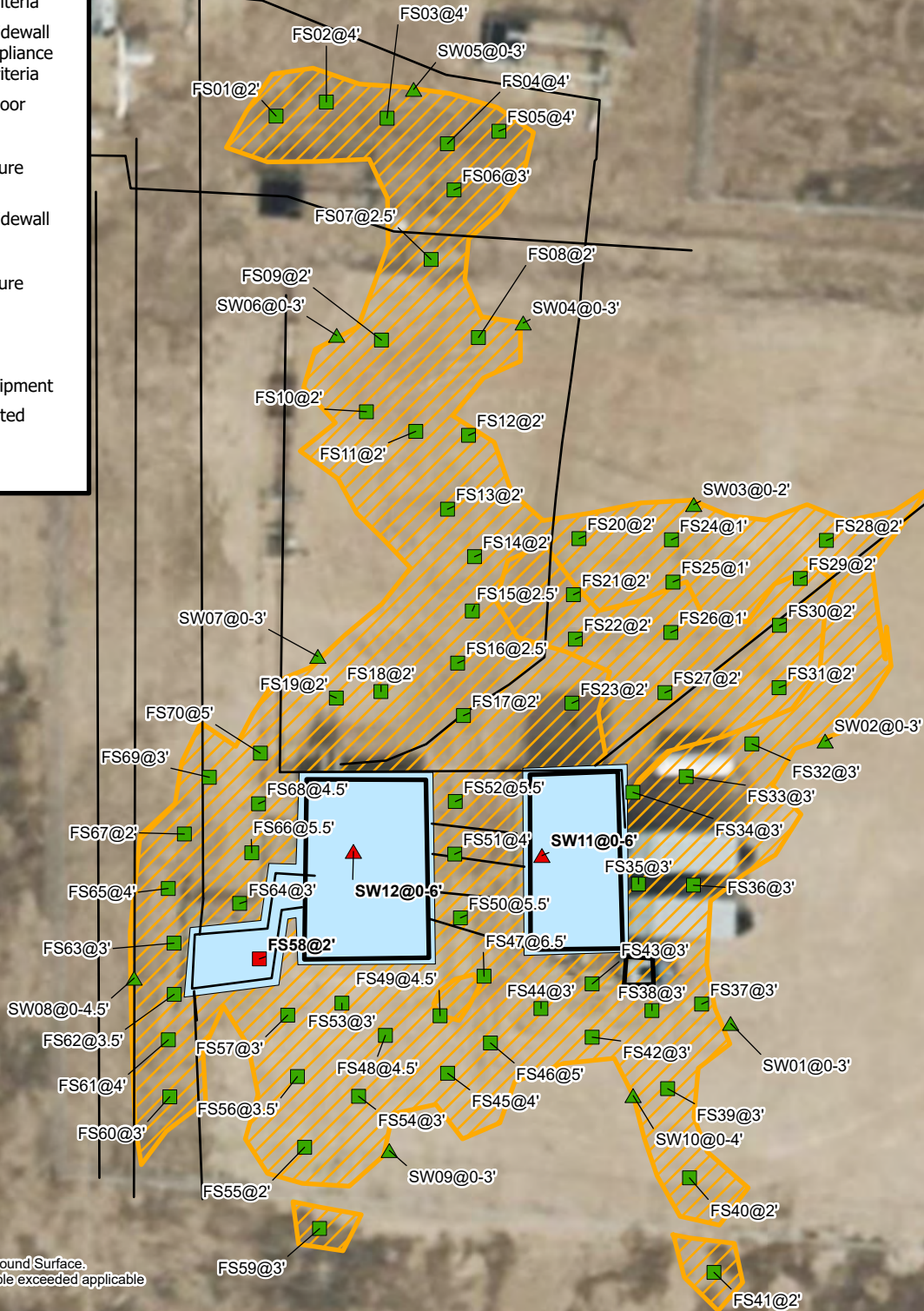
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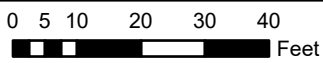


# Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Floor Sample with Concentrations Exceeding Closure Criteria
- ▲ Confirmation Sidewall Sample with Concentrations Exceeding Closure Criteria
- Pipelines and Equipment
- ▭ Production Equipment
- Area of Requested Deferral
- ▨ Release Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable closure criteria.



Sources: Environmental Systems Research Institute (ESRI)

## Area of Requested Deferral

Matador Production Company  
 Jack Sleeper/NOVO Booster Station  
 Incident Number: nAPP2404348731  
 Unit E, Section 05, T 23S, R 28E  
 Eddy County, New Mexico

# FIGURE

# 4





TABLES





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Jack Sleeper/NOVO Booster Station  
 Matador Production Company  
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Delineation Soil Samples</b>										
SS01	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	468
SS02	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS03	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS04	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS05	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH01	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<b>8,180</b>
BH01	2/29/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	42.5
BH02	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<b>8,850</b>
BH02	2/29/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	21.3
BH03	2/29/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<b>6,770</b>
BH03	2/29/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	130
BH04	5/7/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	40
BH04	5/7/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	25.1

**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

&lt;: 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



**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Jack Sleeper/NOVO Booster Station  
 Matador Production Company  
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Excavation Floor Soil Samples</b>										
FS01	4/22/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.9
FS02	4/22/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.0
FS03	4/22/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.0
FS04	4/22/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.4
FS05	4/22/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.2
FS06	4/30/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS07	4/30/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS08	4/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09	4/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS10	4/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS11	4/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.5
FS12	4/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS13	4/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.7
FS14	4/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.3
FS15	5/3/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.9
FS16	5/3/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.0
FS17	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.6
FS18	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.7
FS19	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.9
FS20	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.6
FS21	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	95.9
FS22	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	199
FS23	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68.8
FS24	5/2/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.7
FS25	5/2/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.2
FS26	5/2/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.9
FS27	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.5
FS28	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.7
FS29	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.8
FS30	5/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.3



**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 Jack Sleeper/NOVO Booster Station  
 Matador Production Company  
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Excavation Floor Soil Samples</b>										
FS31	5/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.9
FS32	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS33	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
FS34	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	162	53.9	215.9	371
FS34	5/17/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	182
FS35	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.8
FS36	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.0
FS37	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS38	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS39	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	5/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.4
FS41	5/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS42	5/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.2
FS43	5/6/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.2
FS44	5/6/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	141
FS45	5/6/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	60.1
FS46	5/6/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.1
FS47	5/7/2024	6.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	465
FS48	5/6/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.4
FS49	5/6/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	600
FS50	5/6/2024	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	285
FS51	5/7/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
FS52	5/6/2024	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS53	5/8/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.2
FS54	5/6/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
FS55	5/6/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
FS56	5/7/2024	3.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS57	5/7/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	346
FS58	5/7/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,280</b>
FS59	5/6/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	94.9
FS60	5/8/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34



**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 Jack Sleeper/NOVO Booster Station  
 Matador Production Company  
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Excavation Floor Soil Samples</b>										
FS61	5/8/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	440
FS62	5/8/2024	3.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	197.0
FS63	5/8/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS64	5/7/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
FS65	5/8/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	320
FS66	5/7/2024	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68.9
FS67	5/8/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS68	5/7/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	411
FS69	5/8/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	393
FS70	5/7/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

Concentrations in **bold** exceed the NMOCD 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



**TABLE 3**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Jack Sleeper/NOVO Booster Station  
 Matador Production Company  
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Sidewall Soil Samples										
SW01	5/6/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.0
SW02	5/7/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.1
SW03	5/7/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.7
SW04	5/8/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.8
SW05	5/6/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.8
SW06	5/6/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.7
SW07	5/8/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.1
SW08	5/8/2024	0-4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.6
SW09	5/7/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.7
SW10	5/7/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.1
SW11	5/7/2024	0-6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,110</b>
SW12	5/7/2024	0-6	<0.0250	0.0583	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,470</b>

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

Concentrations in **bold** exceed the NMOCD 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



## APPENDIX A

### Well Log and Record

---





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). CP-1899			
	WELL OWNER NAME(S) Marathon Oil				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 4111 S Tidwell Rd.				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 23	SECONDS 59.07 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	35	16.17 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SE SE Sec. 09 T22S R33E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/9/2022	DRILLING ENDED 2/24/2022	DEPTH OF COMPLETED WELL (FT) temporary casing		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 2/24/22, 3/8/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0	101	±8.5	Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	CP-1899	POD NO.	POD1	TRN NO.	717713
LOCATION	SESESE 8 22S 33E	WELL TAG ID NO.	NA	PAGE 1 OF 2	

#### 4. HYDROGEOLOGIC LOG OF WELL

WR-20 WELL RECORD & LOG (Version 01/28/2022)



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO**  
**OFFICE OF THE STATE ENGINEER**

Trn Nbr: 717713  
File Nbr: CP 01899  
Well File Nbr: CP 01899 POD1

Mar. 22, 2022

MELODIE SANJARI  
MARATHON OIL  
4111 S TIDWELL RD  
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 01/31/2022.

The Well Record was received in this office on 03/11/2022, stating that it had been completed on 02/24/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/31/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Megen Telles".

Megen Telles  
(575) 622-6521

drywell



## APPENDIX B

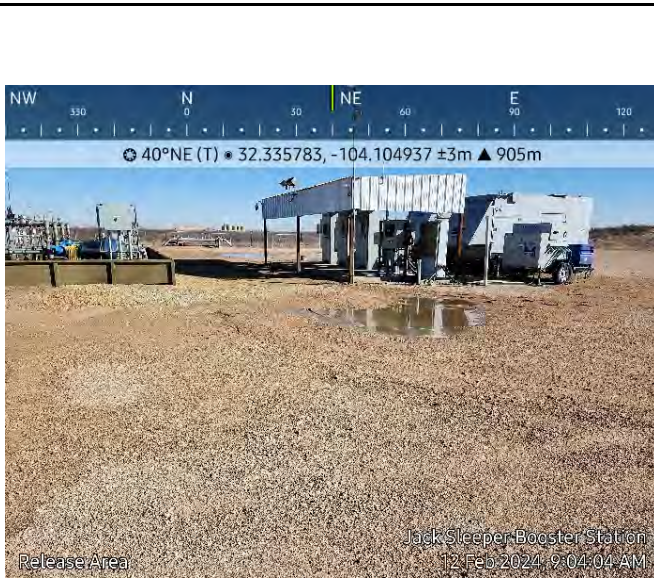
### Photographic Log

---



### Photographic Log

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
nAPP2404348731



Photograph 1  
Description: Release Area  
View: Northeast  
Date: 2/12/2024



Photograph 2  
Description: Release Area  
View: North  
Date: 2/12/2024



Photograph 3  
Description: Release Area  
View: Southwest  
Date: 2/12/2024



Photograph 4  
Description: Release Area  
View: North  
Date: 2/12/2024





# Photographic Log

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
nAPP2404348731



Photograph 5  
Description: Delineation  
View: Northwest

Date: 2/29/2024



Photograph 6  
Description: Delineation  
View: Northwest

Date: 2/29/2024



Photograph 7  
Description: Hydro-vac  
View: Southeast

Date: 4/19/2024



Photograph 8  
Description: Hydro-vac  
View: Northeast

Date: 4/19/2024





### Photographic Log

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
nAPP2404348731



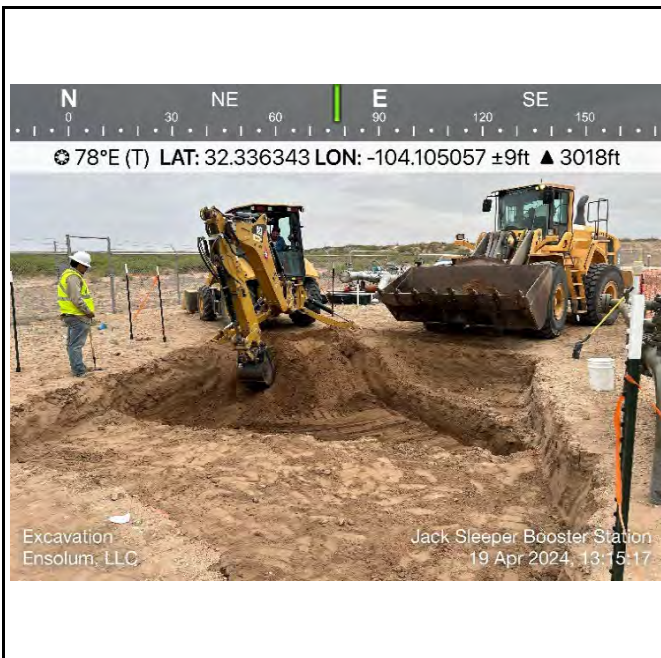
Photograph 9  
Description: Hydro-vac  
View: Northwest

Date: 4/17/2024



Photograph 10  
Description: Hydro-vac  
View: South

Date: 4/18/2024



Photograph 11  
Description: Excavation  
View: East

Date: 4/19/2024



Photograph 12  
Description: Excavation  
View: North

Date: 4/22/2024





# Photographic Log

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
nAPP2404348731



Photograph 13  
Description: Excavation  
View: Southeast

Date: 4/25/2024



Photograph 14  
Description: Excavation  
View: East

Date: 4/30/2024



Photograph 15  
Description: Excavation - Jack hammer rock  
View: South

Date: 5/3/2024



Photograph 16  
Description: Excavation  
View: South

Date: 5/6/2024





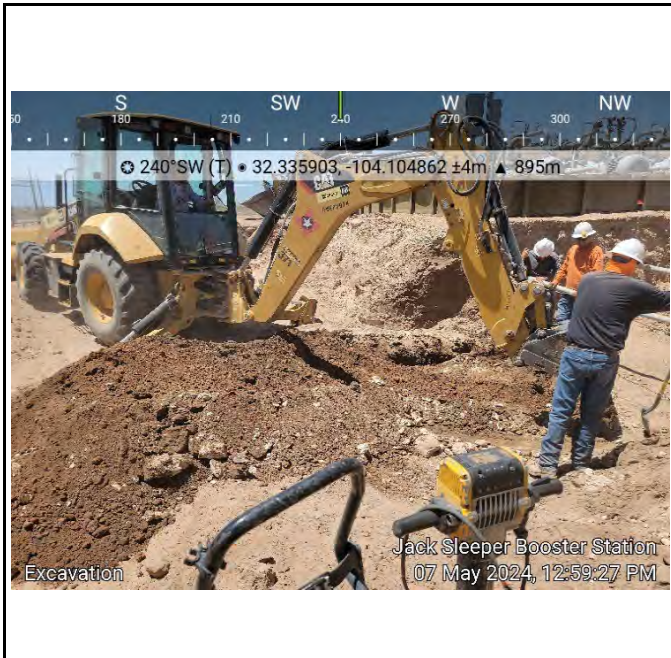
## Photographic Log

Matador Production Company  
Jack Sleeper/NOVO Booster Station  
nAPP2404348731



Photograph 17  
Description: Excavation  
View: South

Date: 5/7/2024



Photograph 18  
Description: Excavation  
View: Southwest

Date: 5/7/2024



Photograph 19  
Description: Delineation - BH04  
View: West

Date: 5/7/2024



Photograph 20  
Description: Excavation  
View: South

Date: 5/8/2024







## APPENDIX C


### Lithologic Soil Sampling Logs


---

								Sample Name: BH01		Date: 2/29/24	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Site Name: Jack Sleeper Booster Station			
								Incident Number: nAPP2404348731			
								Job Number: 03A2270029			
Coordinates: 32.33603, -104.10477								Logged By: Israel Estrella		Method: Hand Auger	
								Hole Diameter: 3"		Total Depth: 2 Feet	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)		Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
w			N	BH01	0		0	CCHE	Caliche, light stain, no smell.		
M	200		N	BH01	1	+	1	SP-SM	Red sand and silt.		
D			N		2	+	2	SP-SM	Red sand and silt.		
Total Depth = 2'											

								Sample Name: BH02		Date: 2/29/24	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Site Name: Jack Sleeper Booster Station			
								Incident Number: nAPP2404348731			
								Job Number: 03A2270029			
Coordinates: 32.33628, -104.10493								Logged By: Israel Estrella		Method: Hand Auger	
								Hole Diameter: 3"		Total Depth: 2 Feet	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
w			N	BH01	0	0	CCHE	Caliche, light stain, no smell.			
M	200		N	BH01	1	1	SP-SM	Red sand and silt.			
D			N		2	2	SP-SM	Red sand and silt.			
Total Depth = 2'											



								Sample Name: BH03		Date: 2/29/24	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Site Name: Jack Sleeper Booster Station			
								Incident Number: nAPP2404348731			
								Job Number: 03A2270029			
Coordinates: 32.33586, -104.10497								Logged By: Israel Estrella		Method: Hand Auger	
								Hole Diameter: 3"		Total Depth: 2 Feet	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
w			N	BH01	0	0	CCHE	Caliche, light stain, no smell.			
M	300		N	BH01	1	1	SP-SM	Red sand and silt.			
D			N		2	2	SP-SM	Red sand and silt.			
Total Depth = 2'											

								Sample Name: BH04		Date: 5/7/24	
								Site Name: Jack Sleeper Booster Station			
								Incident Number: nAPP2404348731			
								Job Number: 03A2270029			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Cole Burton		Method: Hand Auger	
Coordinates: 32.33588, -104.10346								Hole Diameter: 3"		Total Depth: 4 Feet	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0					
M			N	BH04	3	3	SP-SM	Red sand and silt.			
M			N	BH04	4	4	SP-SM	Red sand and silt.			
Total Depth = 4'											



## APPENDIX D

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

---



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E403009

Job Number: 23003-C-0001

Received: 3/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/8/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 3/8/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E403009  
Date Received: 3/4/2024 8:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2024 8:45:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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Laboratory Technical Representative  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01-0'	5
SS02-0'	6
SS03-0'	7
SS04-0'	8
SS05-0'	9
BH01-0'	10
BH01-1'	11
BH02-0'	12
BH02-1'	13
BH03-0'	14
BH03-1'	15
QC Summary Data	16
QC - Volatile Organic Compounds by EPA 8260B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21



Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/08/24 16:54
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E403009-01A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
SS02-0'	E403009-02A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
SS03-0'	E403009-03A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
SS04-0'	E403009-04A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
SS05-0'	E403009-05A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BH01-0'	E403009-06A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BH01-1'	E403009-07A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BH02-0'	E403009-08A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BH02-1'	E403009-09A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BH03-0'	E403009-10A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.
BH03-1'	E403009-11A	Soil	02/29/24	03/04/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
---	--	---------------------------------

SS01-0'  
E403009-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2410048	
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	93.6 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	108 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2410048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	93.6 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	108 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2410068	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane	113 %	50-200		03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2410051	
Chloride	468	20.0	1	03/05/24	03/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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SS02-0'

E403009-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	99.2 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	99.9 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	99.2 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	99.9 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane	104 %	50-200		03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	ND	20.0	1	03/05/24	03/06/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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SS03-0'

E403009-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	93.0 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	108 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	93.0 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	108 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane	105 %	50-200		03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	ND	20.0	1	03/05/24	03/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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SS04-0'

E403009-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	108 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	108 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane	105 %	50-200		03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	ND	20.0	1	03/05/24	03/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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SS05-0'

E403009-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	106 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	106 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane	114 %	50-200		03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	ND	20.0	1	03/05/24	03/06/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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BH01-0'

E403009-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	101 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	101 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane	104 %	50-200		03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	8180	200	10	03/05/24	03/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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BH01-1'

E403009-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	100 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	100 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane	106 %	50-200		03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	42.5	20.0	1	03/05/24	03/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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BH02-0'

E403009-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/05/24	03/07/24	
Surrogate: Toluene-d8		103 %	70-130	03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene		103 %	70-130	03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/05/24	03/07/24	
Surrogate: Toluene-d8		103 %	70-130	03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane		98.5 %	50-200	03/06/24	03/07/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	8850	200	10	03/05/24	03/06/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
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BH02-1'

E403009-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	94.2 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	100 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	94.2 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	100 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/08/24	
Surrogate: n-Nonane	111 %	50-200		03/06/24	03/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	21.3	20.0	1	03/05/24	03/06/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-C-0001  
Project Manager: Ashley Giovengo

**Reported:**  
3/8/2024 4:54:06PM

BH03-0'

E403009-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130	03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	03/05/24	03/07/24	
Surrogate: Toluene-d8		103 %	70-130	03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130	03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	03/05/24	03/07/24	
Surrogate: Toluene-d8		103 %	70-130	03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/08/24	
Surrogate: n-Nonane		101 %	50-200	03/06/24	03/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	6770	100	5	03/05/24	03/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/8/2024 4:54:06PM
---	--	---------------------------------

BH03-1'

E403009-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Benzene	ND	0.0250	1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/07/24	
Toluene	ND	0.0250	1	03/05/24	03/07/24	
o-Xylene	ND	0.0250	1	03/05/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	103 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2410048
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/07/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		03/05/24	03/07/24	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		03/05/24	03/07/24	
Surrogate: Toluene-d8	103 %	70-130		03/05/24	03/07/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2410068
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/24	03/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/24	03/08/24	
Surrogate: n-Nonane	106 %	50-200		03/06/24	03/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2410051
Chloride	130	20.0	1	03/05/24	03/06/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/8/2024 4:54:06PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2410048-BLK1)Prepared: 03/05/24 Analyzed: 03/07/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			

LCS (2410048-BS1)Prepared: 03/05/24 Analyzed: 03/07/24

Benzene	2.46	0.0250	2.50		98.5	70-130			
Ethylbenzene	2.54	0.0250	2.50		101	70-130			
Toluene	2.54	0.0250	2.50		102	70-130			
o-Xylene	2.61	0.0250	2.50		104	70-130			
p,m-Xylene	5.35	0.0500	5.00		107	70-130			
Total Xylenes	7.96	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike (2410048-MS1)Source: E403009-10Prepared: 03/05/24 Analyzed: 03/07/24

Benzene	2.45	0.0250	2.50	ND	97.8	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135			
Toluene	2.44	0.0250	2.50	ND	97.4	48-130			
o-Xylene	2.45	0.0250	2.50	ND	97.9	43-135			
p,m-Xylene	4.94	0.0500	5.00	ND	98.8	43-135			
Total Xylenes	7.39	0.0250	7.50	ND	98.5	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

Matrix Spike Dup (2410048-MSD1)Source: E403009-10Prepared: 03/05/24 Analyzed: 03/07/24

Benzene	2.44	0.0250	2.50	ND	97.4	48-131	0.430	23	
Ethylbenzene	2.43	0.0250	2.50	ND	97.0	45-135	1.87	27	
Toluene	2.41	0.0250	2.50	ND	96.2	48-130	1.22	24	
o-Xylene	2.61	0.0250	2.50	ND	104	43-135	6.31	27	
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135	4.77	27	
Total Xylenes	7.79	0.0250	7.50	ND	104	43-135	5.29	27	
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.1	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/8/2024 4:54:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2410048-BLK1) Prepared: 03/05/24 Analyzed: 03/07/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			

LCS (2410048-BS2) Prepared: 03/05/24 Analyzed: 03/07/24

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			

Matrix Spike (2410048-MS2) Source: E403009-10 Prepared: 03/05/24 Analyzed: 03/07/24

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.562		0.500		112	70-130			

Matrix Spike Dup (2410048-MSD2) Source: E403009-10 Prepared: 03/05/24 Analyzed: 03/07/24

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130	8.39	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/8/2024 4:54:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2410068-BLK1)					Prepared: 03/06/24 Analyzed: 03/07/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			

LCS (2410068-BS1)					Prepared: 03/06/24 Analyzed: 03/07/24				
Diesel Range Organics (C10-C28)	289	25.0	250		115	38-132			
Surrogate: n-Nonane	58.6		50.0		117	50-200			

Matrix Spike (2410068-MS1)					Source: E403009-05		Prepared: 03/06/24 Analyzed: 03/07/24		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike Dup (2410068-MSD1)					Source: E403009-05		Prepared: 03/06/24 Analyzed: 03/07/24		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132	1.30	20	
Surrogate: n-Nonane	53.8		50.0		108	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/8/2024 4:54:06PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2410051-BLK1)					Prepared: 03/05/24 Analyzed: 03/06/24				
Chloride	ND	20.0							
LCS (2410051-BS1)					Prepared: 03/05/24 Analyzed: 03/06/24				
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2410051-MS1)					Source: E403009-03		Prepared: 03/05/24 Analyzed: 03/06/24		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2410051-MSD1)					Source: E403009-03		Prepared: 03/05/24 Analyzed: 03/06/24		
Chloride	257	20.0	250	ND	103	80-120	0.477	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/08/24 16:54

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Client: Matador Production Company					Bill To		Lab Use Only						TAT				EPA Program				
Project: Jack Sleeper Booster Station					Attention: Ensolum LLC		Lab WO#			Job Number			1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Ashley Giovengo					Address: on file		E 403009			23003-C-0001						x					
Address: 3122 National Parks Hwy					City, State, Zip:		Analysis and Method												RCRA		
City, State, Zip: Carlsbad NM, 88220					Phone: 575-988-0055		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State						
Phone: 575-988-0055					Email: agiovengo@ensolum.com										NM	CO	UT	AZ	TX		
Email: agiovengo@ensolum.com																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
9:20	2/29/2024	Soil	1	SS01 - 0'	1																
9:22	2/29/2024	Soil	1	SS02 - 0'	2																
9:23	2/29/2024	Soil	1	SS03 - 0'	3																
9:28	2/29/2024	Soil	1	SS04 - 0'	4																
9:29	2/29/2024	Soil	1	SS05 - 0'	5																
9:34	2/29/2024	Soil	1	BH01 - 0'	6																
9:43	2/29/2024	Soil	1	BH01 - 1'	7																
9:53	2/29/2024	Soil	1	BH02 - 0'	8																
9:55	2/29/2024	Soil	1	BH02 - 1'	9																
10:07	2/29/2024	Soil	1	BH03 - 0'	10																
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Sampled by: Cole																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only													
Zoe Best		3-1-24	7:30	Michelle Gayt		3-1-24	0730	Received on ice: <input checked="" type="radio"/> Y / N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
Michelle Gayt		3-1-24	1723	John Messo		3-1-24	1745														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C													
John Messo		3-1-24	2300	Amanda		3-4-24	8:45	4													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 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: Matador Production Company				<b>Bill To</b> Attention: Ensolum LLC Address: on file City, State, Zip: Phone: 575-988-0055 Email: agiovengo@ensolum.com				Lab Use Only				TAT				EPA Program					
Project: Jack Sleeper Booster Station								Lab WO#		Job Number		1D	2D	3D	Standard		CWA	SDWA			
Project Manager: Ashley Giovengo								E 463009		23003C-0001					x						
Address: 3122 National Parks Hwy								Analysis and Method												RCRA	
City, State, Zip: Carlsbad NM, 88220								TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State					
Phone: 575-988-0055																NM	CO	UT	AZ	TX	
Email: agiovengo@ensolum.com																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														Remarks		
10:15	2/29/2024	Soil	1	BH03 - 1'	11																
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only									
Zig Dora		3-1-24		7:30		Michelle Gayle		3-1-24		0730		Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1									
Michelle Gayle		3-1-24		1723		Andrew MBS		3-1-24		1745		T2									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T3									
Andrew MBS		3-1-24		2300		Andrew MBS		3-4-24		8:45		AVG Temp °C 4									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



envirotech

## Envirotech Analytical Laboratory

Printed: 3/4/2024 12:28:27PM

## 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:	03/04/24 08:45	Work Order ID:	E403009
Phone:	(972) 371-5200	Date Logged In:	03/01/24 18:40	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	03/08/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E404240

Job Number: 23003-0001

Received: 4/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/29/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 4/29/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E404240  
Date Received: 4/24/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2024 5:00:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzaes**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS01-2'	5
FS02-4'	6
FS03-4'	7
FS04-4'	8
FS05-4'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0001 Project Manager: Ashley Giovengo	Reported: 04/29/24 13:03
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-2'	E404240-01A	Soil	04/22/24	04/24/24	Glass Jar, 2 oz.
FS02-4'	E404240-02A	Soil	04/22/24	04/24/24	Glass Jar, 2 oz.
FS03-4'	E404240-03A	Soil	04/22/24	04/24/24	Glass Jar, 2 oz.
FS04-4'	E404240-04A	Soil	04/22/24	04/24/24	Glass Jar, 2 oz.
FS05-4'	E404240-05A	Soil	04/22/24	04/24/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0001 Project Manager: Ashley Giovengo	Reported: 4/29/2024 1:03:38PM
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FS01-2'  
E404240-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.0 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2417043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
Surrogate: n-Nonane	79.1 %	50-200		04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2417044	
Chloride	51.9	20.0	1	04/24/24	04/24/24	





## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0001  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2024 1:03:38PM

FS02-4'

E404240-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2417041
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2417041
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.4 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
	84.1 %	50-200		04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	39.0	20.0	1	04/24/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0001 Project Manager: Ashley Giovengo	Reported: 4/29/2024 1:03:38PM
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FS03-4'

E404240-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.8 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2417043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
Surrogate: n-Nonane	80.7 %	50-200		04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2417044	
Chloride	26.0	20.0	1	04/24/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0001 Project Manager: Ashley Giovengo	Reported: 4/29/2024 1:03:38PM
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FS04-4'

E404240-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.6 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2417043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
Surrogate: n-Nonane	75.8 %	50-200		04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2417044	
Chloride	64.4	20.0	1	04/24/24	04/24/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0001 Project Manager: Ashley Giovengo	Reported: 4/29/2024 1:03:38PM
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FS05-4'

E404240-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
Surrogate: 4-Bromochlorobenzene-PID	92.1 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2417041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.4 %	70-130		04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2417043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
Surrogate: n-Nonane	80.2 %	50-200		04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2417044	
Chloride	36.2	20.0	1	04/24/24	04/24/24	





Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2024 1:03:38PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2417041-BLK1)Prepared: 04/24/24 Analyzed: 04/24/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.9	70-130			

LCS (2417041-BS1)Prepared: 04/24/24 Analyzed: 04/24/24

Benzene	4.98	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.89	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.9	70-130			

Matrix Spike (2417041-MS1)Source: E404240-03Prepared: 04/24/24 Analyzed: 04/24/24

Benzene	5.13	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133			
Toluene	5.10	0.0250	5.00	ND	102	61-130			
o-Xylene	5.01	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2417041-MSD1)Source: E404240-03Prepared: 04/24/24 Analyzed: 04/24/24

Benzene	5.30	0.0250	5.00	ND	106	54-133	3.32	20	
Ethylbenzene	5.27	0.0250	5.00	ND	105	61-133	3.64	20	
Toluene	5.28	0.0250	5.00	ND	106	61-130	3.31	20	
o-Xylene	5.23	0.0250	5.00	ND	105	63-131	4.13	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	3.51	20	
Total Xylenes	15.8	0.0250	15.0	ND	106	63-131	3.71	20	
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2024 1:03:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2417041-BLK1) Prepared: 04/24/24 Analyzed: 04/24/24

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

LCS (2417041-BS2) Prepared: 04/24/24 Analyzed: 04/24/24

Gasoline Range Organics (C6-C10)	38.3	20.0	50.0		76.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.8	70-130			

Matrix Spike (2417041-MS2) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.78		8.00		84.7	70-130			

Matrix Spike Dup (2417041-MSD2) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

Gasoline Range Organics (C6-C10)	38.5	20.0	50.0	ND	77.0	70-130	1.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2024 1:03:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2417043-BLK1) Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.3		50.0		88.7	50-200			

LCS (2417043-BS1) Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			

Matrix Spike (2417043-MS1) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			

Matrix Spike Dup (2417043-MSD1) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132	5.19	20	
Surrogate: n-Nonane	45.1		50.0		90.3	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0001 Project Manager: Ashley Giovengo	Reported: 4/29/2024 1:03:38PM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2417044-BLK1)					Prepared: 04/24/24 Analyzed: 04/24/24				
Chloride	ND	20.0							
LCS (2417044-BS1)					Prepared: 04/24/24 Analyzed: 04/24/24				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2417044-MS1)					Source: E404237-07		Prepared: 04/24/24 Analyzed: 04/24/24		
Chloride	550	20.0	250	305	97.9	80-120			
Matrix Spike Dup (2417044-MSD1)					Source: E404237-07		Prepared: 04/24/24 Analyzed: 04/24/24		
Chloride	560	20.0	250	305	102	80-120	1.80	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/24 13:03

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

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

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





Client: Matador Production Company				Bill To				Lab Use Only				TAT				EPA Program					
Project: Jack Sleeper Booster Station				Attention: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo				Address: on file				E 404240		23003-C-0001					x						
Address: 3122 National Parks Hwy				City, State, Zip:				Analysis and Method											RCRA		
City, State, Zip: Carlsbad NM, 88220				Phone: 575-988-0055				TPH GRO/DRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State					
Phone: 575-988-0055				Email: agiovengo@ensolum.com												NM	CO	UT	AZ	TX	
Email: agiovengo@ensolum.com																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks				
10:47	4/22/2024	Soil	1	FS01 - 2'	1									X							
10:49	4/22/2024	Soil	1	FS02 - 4'	2									X							
0:00	4/22/2024	Soil	1	FS03 - 4'	3									X							
12:02	4/22/2024	Soil	1	FS04 - 4'	4									X							
13:14	4/22/2024	Soil	1	FS05 - 4'	5									X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only													
		4/23/24	8:15			4-23-24	0815	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
		4-23-24	1619			4-23-24	1800														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C													
		4-23-24	2400			4-24-24	0500	4													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Envirotech Analytical Laboratory

Printed: 4/24/2024 11:37:16AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC.  
 Phone: (972) 371-5200  
 Email: agiovngo@ensolum.com

Date Received: 04/24/24 05:00  
 Date Logged In: 04/23/24 15:58  
 Due Date: 04/30/24 17:00 (4 day TAT)

Work Order ID: E404240  
 Logged In By: Alexa Michaels

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405014

Job Number: 23003-0002

Received: 5/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/8/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/8/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405014  
Date Received: 5/2/2024 5:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/2/2024 5:30:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
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## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS06 -3'	5
FS07 2.5'	6
FS08 -2'	7
FS09 -2'	8
FS10 -2'	9
FS11 -2'	10
FS12 -2'	11
FS13 -2'	12
FS14 -2'	13
QC Summary Data	14
QC - Volatile Organic Compounds by EPA 8260B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19



Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/08/24 10:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS06 -3'	E405014-01A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS07 2.5'	E405014-02A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS08 -2'	E405014-03A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS09 -2'	E405014-04A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS10 -2'	E405014-05A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS11 -2'	E405014-06A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS12 -2'	E405014-07A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS13 -2'	E405014-08A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.
FS14 -2'	E405014-09A	Soil	04/30/24	05/02/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 10:28:24AM
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FS06 -3'  
E405014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2418105	
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	88.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	96.4 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2418105	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	88.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	96.4 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2418131	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	80.6 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2418128	
Chloride	ND	20.0	1	05/03/24	05/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 10:28:24AM
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FS07 2.5'

E405014-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	86.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	100 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	86.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	100 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	78.2 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	ND	20.0	1	05/03/24	05/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 10:28:24AM
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FS08 -2'

E405014-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	88.5 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	95.5 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	88.5 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	95.5 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	69.6 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	ND	20.0	1	05/03/24	05/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 10:28:24AM
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FS09 -2'

E405014-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	88.6 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	95.0 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	88.6 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	95.0 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	66.0 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	ND	20.0	1	05/03/24	05/04/24	





## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/8/2024 10:28:24AM

## FS10 -2'

## E405014-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	89.1 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	89.1 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	74.5 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	ND	20.0	1	05/03/24	05/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 10:28:24AM
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FS11 -2'

E405014-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	87.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	94.8 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	87.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	94.8 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	75.5 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	82.5	20.0	1	05/03/24	05/04/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/8/2024 10:28:24AM

## FS12 -2'

## E405014-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	87.9 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	98.1 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	87.9 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	98.1 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	77.4 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	ND	20.0	1	05/03/24	05/04/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 10:28:24AM
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FS13 -2'  
E405014-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	90.6 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	98.1 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	90.6 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	98.1 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	76.6 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	64.7	20.0	1	05/03/24	05/04/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/8/2024 10:28:24AM

## FS14 -2'

## E405014-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Benzene	ND	0.0250	1	05/02/24	05/03/24	
Ethylbenzene	ND	0.0250	1	05/02/24	05/03/24	
Toluene	ND	0.0250	1	05/02/24	05/03/24	
o-Xylene	ND	0.0250	1	05/02/24	05/03/24	
p,m-Xylene	ND	0.0500	1	05/02/24	05/03/24	
Total Xylenes	ND	0.0250	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	89.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2418105
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/24	05/03/24	
Surrogate: Bromofluorobenzene	89.2 %	70-130		05/02/24	05/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		05/02/24	05/03/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/02/24	05/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2418131
Diesel Range Organics (C10-C28)	ND	25.0	1	05/03/24	05/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/03/24	05/03/24	
Surrogate: n-Nonane	79.3 %	50-200		05/03/24	05/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2418128
Chloride	53.3	20.0	1	05/03/24	05/04/24	





QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2024 10:28:24AM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

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

Blank (2418105-BLK1)Prepared: 05/02/24 Analyzed: 05/03/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.443		0.500		88.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

LCS (2418105-BS1)Prepared: 05/02/24 Analyzed: 05/03/24

Benzene	2.15	0.0250	2.50		85.9	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.4	70-130			
Toluene	2.40	0.0250	2.50		95.9	70-130			
o-Xylene	2.26	0.0250	2.50		90.4	70-130			
p,m-Xylene	4.60	0.0500	5.00		92.0	70-130			
Total Xylenes	6.86	0.0250	7.50		91.5	70-130			
Surrogate: Bromofluorobenzene	0.456		0.500		91.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

Matrix Spike (2418105-MS1)Source: E405011-22Prepared: 05/02/24 Analyzed: 05/03/24

Benzene	2.30	0.0250	2.50	ND	91.9	48-131			
Ethylbenzene	2.39	0.0250	2.50	ND	95.4	45-135			
Toluene	2.51	0.0250	2.50	ND	100	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.2	43-135			
p,m-Xylene	4.82	0.0500	5.00	ND	96.4	43-135			
Total Xylenes	7.20	0.0250	7.50	ND	96.0	43-135			
Surrogate: Bromofluorobenzene	0.445		0.500		88.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			

Matrix Spike Dup (2418105-MSD1)Source: E405011-22Prepared: 05/02/24 Analyzed: 05/03/24

Benzene	2.25	0.0250	2.50	ND	89.9	48-131	2.13	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.8	45-135	2.72	27	
Toluene	2.42	0.0250	2.50	ND	96.6	48-130	3.86	24	
o-Xylene	2.29	0.0250	2.50	ND	91.4	43-135	4.07	27	
p,m-Xylene	4.67	0.0500	5.00	ND	93.3	43-135	3.18	27	
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135	3.48	27	
Surrogate: Bromofluorobenzene	0.440		0.500		87.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2024 10:28:24AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2418105-BLK1) Prepared: 05/02/24 Analyzed: 05/03/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.443		0.500		88.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

LCS (2418105-BS2) Prepared: 05/02/24 Analyzed: 05/03/24

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.441		0.500		88.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike (2418105-MS2) Source: E405011-22 Prepared: 05/02/24 Analyzed: 05/03/24

Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.449		0.500		89.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

Matrix Spike Dup (2418105-MSD2) Source: E405011-22 Prepared: 05/02/24 Analyzed: 05/03/24

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	3.25	20	
Surrogate: Bromofluorobenzene	0.442		0.500		88.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2024 10:28:24AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2418131-BLK1)					Prepared: 05/03/24 Analyzed: 05/03/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	39.7		50.0		79.5	50-200			

LCS (2418131-BS1)					Prepared: 05/03/24 Analyzed: 05/03/24				
Diesel Range Organics (C10-C28)	241	25.0	250		96.6	38-132			
Surrogate: n-Nonane	41.1		50.0		82.2	50-200			

Matrix Spike (2418131-MS1)					Source: E405014-05		Prepared: 05/03/24 Analyzed: 05/03/24		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
Surrogate: n-Nonane	41.4		50.0		82.9	50-200			

Matrix Spike Dup (2418131-MSD1)					Source: E405014-05		Prepared: 05/03/24 Analyzed: 05/03/24		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	1.07	20	
Surrogate: n-Nonane	40.7		50.0		81.4	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  5/8/2024 10:28:24AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2418128-BLK1)					Prepared: 05/03/24 Analyzed: 05/04/24				
Chloride	ND	20.0							
LCS (2418128-BS1)					Prepared: 05/03/24 Analyzed: 05/04/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2418128-MS1)					Source: E405014-05		Prepared: 05/03/24 Analyzed: 05/04/24		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2418128-MSD1)					Source: E405014-05		Prepared: 05/03/24 Analyzed: 05/04/24		
Chloride	260	20.0	250	ND	104	80-120	0.260	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/08/24 10:28

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Client: Matador Production Company					Bill To		Lab Use Only						TAT				EPA Program					
Project: Jack Sleeper Booster Station					Attention: Ensolum LLC		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo					Address: on file		E405D14		23003-0002							x						
Address: 3122 National Parks Hwy					City, State, Zip:		Analysis and Method											RCRA				
City, State, Zip: Carlsbad NM, 88220					Phone: 575-988-0055		TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State							
Phone: 575-988-0055					Email: agiovengo@ensolum.com										NM	CO	UT	AZ	TX			
Email: agiovengo@ensolum.com					Report due by:													Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
11:45	4/30/2024	Soil	1	FS06 -3'	1										X							
11:46	4/30/2024	Soil	1	FS07 - 2.5'	2										X							
11:47	4/30/2024	Soil	1	FS08 - 2'	3										X							
11:49	4/30/2024	Soil	1	FS09 - 2'	4										X							
11:50	4/30/2024	Soil	1	FS10 - 2'	5										X							
11:53	4/30/2024	Soil	1	FS11 - 2'	6										X							
11:55	4/30/2024	Soil	1	FS12 - 2'	7										X							
11:57	4/30/2024	Soil	1	FS13 - 2'	8										X							
12:00	4/30/2024	Solid	1	FS14 - 2'	9										X							

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

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

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

Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Lab Use Only		
[Signature]			5/1/24	8:25	Michelle Gonzales			5-1-24	0825	Received on ice: (Y) / N		
Michelle Gonzales			5-1-24	1710	[Signature]			5-1-24	1715	T1 _____ T2 _____ T3 _____		
[Signature]			5-1-24	2330	[Signature]			5/2/24	0530	AVG Temp °C 4		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Envirotech Analytical Laboratory

Printed: 5/3/2024 12:04:14PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/02/24 05:30	Work Order ID:	E405014
Phone:	(972) 371-5200	Date Logged In:	05/02/24 07:14	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	05/08/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

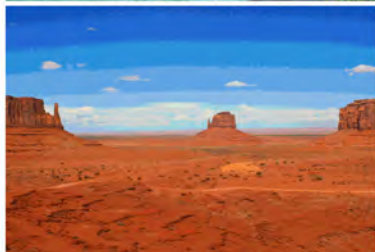
Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405033

Job Number: 23003-0002

Received: 5/4/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/8/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/8/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405033  
Date Received: 5/4/2024 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/4/2024 7:15:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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**Southern New Mexico Area**

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**Michelle Golzales**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS17-2'	6
FS18-2'	7
FS19-2'	8
FS20-2'	9
FS21-2'	10
FS22-2'	11
FS23-2'	12
FS24-1'	13
FS25-1'	14
FS26-1'	15
FS27-2'	16
FS28-2'	17
FS29-2'	18
FS30-2'	19
QC Summary Data	20
QC - Volatile Organics by EPA 8021B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24



## Table of Contents (continued)

Chain of Custody etc.

25

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/08/24 16:44
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS17-2'	E405033-01A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS18-2'	E405033-02A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS19-2'	E405033-03A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS20-2'	E405033-04A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS21-2'	E405033-05A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS22-2'	E405033-06A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS23-2'	E405033-07A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS24-1'	E405033-08A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS25-1'	E405033-09A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS26-1'	E405033-10A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS27-2'	E405033-11A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS28-2'	E405033-12A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS29-2'	E405033-13A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.
FS30-2'	E405033-14A	Soil	05/02/24	05/13/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS17-2'  
E405033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	107 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	83.6	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS18-2'

E405033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.3 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	107 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	30.7	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS19-2'  
E405033-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.8 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	106 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	40.9	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS20-2'  
E405033-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	92.9 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	105 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	84.6	20.0	1	05/06/24	05/06/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS21-2'  
E405033-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	92.1 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.2 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	104 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	95.9	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS22-2'

E405033-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	93.3 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	106 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	199	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS23-2'

E405033-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	93.7 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	105 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	68.8	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS24-1'  
E405033-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.5 %	70-130		05/05/24	05/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	109 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	46.7	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS25-1'

E405033-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/06/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/06/24	
Toluene	ND	0.0250	1	05/05/24	05/06/24	
o-Xylene	ND	0.0250	1	05/05/24	05/06/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/06/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/06/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.0 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	102 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	26.2	20.0	1	05/06/24	05/06/24	



Sample Data

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FS26-1'  
E405033-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/06/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/06/24	
Toluene	ND	0.0250	1	05/05/24	05/06/24	
o-Xylene	ND	0.0250	1	05/05/24	05/06/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/06/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/06/24	
Surrogate: 4-Bromochlorobenzene-PID	94.3 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	105 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	57.9	20.0	1	05/06/24	05/06/24	





Sample Data

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FS27-2'

E405033-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/06/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/06/24	
Toluene	ND	0.0250	1	05/05/24	05/06/24	
o-Xylene	ND	0.0250	1	05/05/24	05/06/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/06/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/06/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	107 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	23.5	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS28-2'

E405033-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/06/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/06/24	
Toluene	ND	0.0250	1	05/05/24	05/06/24	
o-Xylene	ND	0.0250	1	05/05/24	05/06/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/06/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/06/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.7 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	108 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	36.7	20.0	1	05/06/24	05/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS29-2'  
E405033-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/06/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/06/24	
Toluene	ND	0.0250	1	05/05/24	05/06/24	
o-Xylene	ND	0.0250	1	05/05/24	05/06/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/06/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/06/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	104 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	28.8	20.0	1	05/06/24	05/07/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/8/2024 4:44:01PM
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FS30-2'

E405033-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Benzene	ND	0.0250	1	05/05/24	05/06/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/06/24	
Toluene	ND	0.0250	1	05/05/24	05/06/24	
o-Xylene	ND	0.0250	1	05/05/24	05/06/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/06/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/06/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		05/05/24	05/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/07/24	
Surrogate: n-Nonane	98.7 %	50-200		05/06/24	05/07/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419046	
Chloride	41.3	20.0	1	05/06/24	05/07/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2024 4:44:01PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419004-BLK1)Prepared: 05/05/24 Analyzed: 05/06/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

LCS (2419004-BS1)Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	4.88	0.0250	5.00		97.5	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.3	70-130			
Toluene	4.80	0.0250	5.00		96.0	70-130			
o-Xylene	4.70	0.0250	5.00		94.1	70-130			
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.7	70-130			

Matrix Spike (2419004-MS1)Source: E405033-02Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133			
Toluene	4.97	0.0250	5.00	ND	99.4	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131			
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			

Matrix Spike Dup (2419004-MSD1)Source: E405033-02Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	4.90	0.0250	5.00	ND	98.1	54-133	2.99	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133	2.88	20	
Toluene	4.83	0.0250	5.00	ND	96.5	61-130	2.94	20	
o-Xylene	4.74	0.0250	5.00	ND	94.8	63-131	2.50	20	
p,m-Xylene	9.62	0.0500	10.0	ND	96.2	63-131	2.77	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.7	63-131	2.68	20	
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2024 4:44:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419004-BLK1) Prepared: 05/05/24 Analyzed: 05/06/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

LCS (2419004-BS2) Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

Matrix Spike (2419004-MS2) Source: E405033-02 Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

Matrix Spike Dup (2419004-MSD2) Source: E405033-02 Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.7	70-130	1.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2024 4:44:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419013-BLK1)					Prepared: 05/06/24 Analyzed: 05/07/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.3		50.0		111	50-200			

LCS (2419013-BS1)					Prepared: 05/06/24 Analyzed: 05/07/24				
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

Matrix Spike (2419013-MS1)					Source: E405033-07		Prepared: 05/06/24 Analyzed: 05/07/24		
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	57.7		50.0		115	50-200			

Matrix Spike Dup (2419013-MSD1)					Source: E405033-07		Prepared: 05/06/24 Analyzed: 05/07/24		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	2.10	20	
Surrogate: n-Nonane	57.8		50.0		116	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/8/2024 4:44:01PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419046-BLK1)						Prepared: 05/06/24 Analyzed: 05/06/24			
Chloride	ND	20.0							
LCS (2419046-BS1)						Prepared: 05/06/24 Analyzed: 05/06/24			
Chloride	250	20.0	250		100	90-110			
LCS Dup (2419046-BSD1)						Prepared: 05/06/24 Analyzed: 05/06/24			
Chloride	251	20.0	250		100	90-110	0.343	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/08/24 16:44

- 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.



Client: Matador Production Company					<b>Bill To</b> Attention: Ensolum LLC Address: on file City, State, Zip: Phone: 575-988-0055 Email: agiovengo@ensolum.com		Lab Use Only				TAT				EPA Program				
Project: Jack Sleeper Booster Station							Lab WO#	Job Number			1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Ashley Giovengo							E 405033			23003-0002						x			
Address: 3122 National Parks Hwy							Analysis and Method												RCRA
City, State, Zip: Carlsbad NM, 88220							TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDGC TX	State				
Phone: 575-988-0055															NM	CO	UT	AZ	TX
mail: agiovengo@ensolum.com														x					
Report due by:					Remarks														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														
12:21	5/2/2024	Soil	1	FS17 - 2'	1										x				
12:22	5/2/2024	Soil	1	FS18 - 2'	2										x				
12:23	5/2/2024	Soil	1	FS19 - 2'	3										x				
13:04	5/2/2024	Soil	1	FS20 - 2'	4										x				
13:06	5/2/2024	Soil	1	FS21 - 2'	5										x				
13:08	5/2/2024	Soil	1	FS22 - 2'	6										x				
13:10	5/2/2024	Soil	1	FS23 - 2'	7										x				
13:12	5/2/2024	Soil	1	FS24 - 1'	8										x				
13:45	5/2/2024	Soil	1	FS25 - 1'	9										x				
13:47	5/2/2024	Soil	1	FS26 - 1'	10										x				
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.									
Relinquished by: (Signature)					Date	Time	Received by: (Signature)					Date	Time	Lab Use Only					
[Signature]					5/3/24	9:40	[Signature]					5/3/24	1000	Received on ice: <input checked="" type="radio"/> Y / N					
Relinquished by: (Signature)					Date	Time	Received by: (Signature)					Date	Time	T1 T2 T3					
[Signature]					5/3/24	1700	[Signature]					5.3.24	1900						
Relinquished by: (Signature)					Date	Time	Received by: (Signature)					Date	Time	AVG Temp °C					
[Signature]					5.3.24	2400	Kaver Singh					5/4/24	7:15	4					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 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: Matador Production Company					Bill To					Lab Use Only					TAT				EPA Program					
Project: Jack Sleeper Booster Station					Attention: Ensolum LLC					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo					Address: on file					E 405033		23003-0002						x						
Address: 3122 National Parks Hwy					City, State, Zip:					Analysis and Method												RCRA		
City, State, Zip: Carlsbad NM, 88220					Phone: 575-988-0055					TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State						
Phone: 575-988-0055					Email: agiovengo@ensolum.com													NM	CO	UT	AZ	TX		
mail: agiovengo@ensolum.com																		x						
Report due by:																				Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																			
13:49	5/2/2024	Soil	1	FS27 - 2'	11										X									
13:51	5/2/2024	Soil	1	FS28 - 2'	12										X									
13:53	5/2/2024	Soil	1	FS29 - 2'	13										X									
13:55	5/2/2024	Soil	1	FS30 - 2'	14										X									
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.														
Relinquished by: (Signature)					Date	Time	Received by: (Signature)					Date	Time	Lab Use Only										
[Signature]					5/3/24	9:40	[Signature]					5/3/24	1900	Received on ice: Y / N										
Relinquished by: (Signature)					Date	Time	Received by: (Signature)					Date	Time	T1 T2 T3										
[Signature]					5/3/24	1700	[Signature]					5.3.24	1900											
Relinquished by: (Signature)					Date	Time	Received by: (Signature)					Date	Time	AVG Temp °C										
[Signature]					5.3.24	2400	Kara Lemmy					5/4/24	7:15	4										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

## Envirotech Analytical Laboratory

Printed: 5/6/2024 5:38:43PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/04/24 07:15	Work Order ID:	E405033
Phone:	(972) 371-5200	Date Logged In:	05/03/24 13:47	Logged In By:	Keyliegh Hall
Email:	agiovngo@ensolum.com	Due Date:	05/10/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

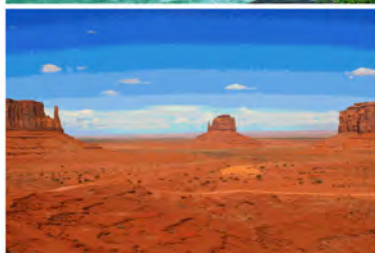


envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405085

Job Number: 23003-0002

Received: 5/7/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/14/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/14/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405085  
Date Received: 5/7/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2024 5:00:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

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## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS31-2'	6
FS32 -3'	7
FS33 -3'	8
FS34 -3'	9
FS35 -3'	10
FS36 -3'	11
FS37 -3'	12
FS38 -3'	13
FS39 -3'	14
FS40 -2'	15
FS41 -2'	16
FS42 -3'	17
FS15 -2.5	18
FS17 -2.5	19
QC Summary Data	20
QC - Volatile Organic Compounds by EPA 8260B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

## Table of Contents (continued)

Chain of Custody etc.

25

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/14/24 10:31
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS31 -2'	E405085-01A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS32 -3'	E405085-02A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS33 -3'	E405085-03A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS34 -3'	E405085-04A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS35 -3'	E405085-05A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS36 -3'	E405085-06A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS37 -3'	E405085-07A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS38 -3'	E405085-08A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS39 -3'	E405085-09A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS40 -2'	E405085-10A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS41 -2'	E405085-11A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS42 -3'	E405085-12A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS15 -2.5	E405085-13A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS17 -2.5	E405085-14A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS31-2'  
E405085-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2419063	
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2419063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419152	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		98.4 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419201	
Chloride	40.9	20.0	1	05/10/24	05/10/24	





## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/14/2024 10:31:27AM

FS32 -3'

E405085-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		102 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/14/2024 10:31:27AM

FS33 -3'

E405085-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		99.6 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	222	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS34 -3'

E405085-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	53.9	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	162	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		102 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	371	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS35 -3'

E405085-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		99.3 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	44.8	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS36 -3'

E405085-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		103 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	29.0	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS37 -3'

E405085-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		100 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS38 -3'

E405085-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		102 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS39 -3'

E405085-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		104 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/14/2024 10:31:27AM

## FS40 -2'

## E405085-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		104 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	23.4	20.0	1	05/10/24	05/11/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/14/2024 10:31:27AM

FS41 -2'

E405085-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		106 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2024 10:31:27AM
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FS42 -3'

E405085-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		103 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	21.1	20.0	1	05/10/24	05/11/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/14/2024 10:31:27AM

## FS15 -2.5

## E405085-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		99.5 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	34.9	20.0	1	05/10/24	05/11/24	





## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/14/2024 10:31:27AM

## FS17 -2.5

## E405085-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/13/24	
Surrogate: n-Nonane		101 %	50-200	05/09/24	05/13/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	33.0	20.0	1	05/10/24	05/11/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/14/2024 10:31:27AM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

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

Blank (2419063-BLK1)

Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2419063-BS1)

Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.71	0.0250	2.50		108	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.81	0.0250	2.50		112	70-130			
p,m-Xylene	5.63	0.0500	5.00		113	70-130			
Total Xylenes	8.45	0.0250	7.50		113	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike (2419063-MS1)

Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.75	0.0250	2.50	ND	110	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.62	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.42	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2419063-MSD1)

Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	2.56	0.0250	2.50	ND	103	48-131	0.797	23	
Ethylbenzene	2.72	0.0250	2.50	ND	109	45-135	0.859	27	
Toluene	2.59	0.0250	2.50	ND	103	48-130	1.34	24	
o-Xylene	2.86	0.0250	2.50	ND	115	43-135	2.35	27	
p,m-Xylene	5.78	0.0500	5.00	ND	116	43-135	2.75	27	
Total Xylenes	8.64	0.0250	7.50	ND	115	43-135	2.62	27	
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/14/2024 10:31:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419063-BLK1) Prepared: 05/07/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2419063-BS2) Prepared: 05/07/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2419063-MS2) Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2419063-MSD2) Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	1.82	20	
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/14/2024 10:31:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419152-BLK1)					Prepared: 05/09/24 Analyzed: 05/12/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	50-200			

LCS (2419152-BS1)					Prepared: 05/09/24 Analyzed: 05/12/24				
Diesel Range Organics (C10-C28)	291	25.0	250		116	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			

LCS Dup (2419152-BSD1)					Prepared: 05/09/24 Analyzed: 05/12/24				
Diesel Range Organics (C10-C28)	284	25.0	250		114	38-132	2.44	20	
Surrogate: n-Nonane	52.5		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/14/2024 10:31:27AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419201-BLK1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	ND	20.0							
LCS (2419201-BS1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	260	20.0	250		104	90-110			
LCS Dup (2419201-BSD1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	260	20.0	250		104	90-110	0.0561	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/14/24 10:31

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Matador Production Company				Bill To		Lab Use Only		TAT				EPA Program							
Project: Jack Sleeper Booster Station				Attention: Ensolum LLC		Lab WO#		1D		2D		3D		Standard		CWA		SDWA	
Project Manager: Ashley Giovengo				Address: on file		E405285		Job Number		12303-0001				x					
Address: 3122 National Parks Hwy				City, State, Zip:				Analysis and Method										RCRA	
City, State, Zip: Carlsbad NM, 88220				Phone: 575-988-0055															
Phone: 575-988-0055				Email: agiovengo@ensolum.com															
mail: agiovengo@ensolum.com																			
Report due by:																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State					
														NM	CO	UT	AZ	TX	
														x					
Remarks																			
10:41	5/3/2024	Soil	1	FS31 - 2'	1									x					
10:43	5/3/2024	Soil	1	FS32 - 3'	2									x					
10:46	5/3/2024	Soil	1	FS33 - 3'	3									x					
10:43	5/3/2024	Soil	1	FS34 - 3'	4									x					
10:47	5/3/2024	Soil	1	FS35 - 3'	5									x					
10:50	5/3/2024	Soil	1	FS36 - 3'	6									x					
10:51	5/3/2024	Soil	1	FS37 - 3'	7									x					
10:52	5/3/2024	Soil	1	FS38 - 3'	8									x					
10:54	5/3/2024	Soil	1	FS39 - 3'	9									x					
10:40	5/3/2024	Soil	1	FS40 - 2'	10									x					

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

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

Sampled by: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date 5/6/24 Time 10:20 Received by: (Signature) Michelle Gonzales Date 5-6-24 Time 1020

Relinquished by: (Signature) Michelle Gonzales Date 5-6-24 Time 1705 Received by: (Signature) C.C.H. Date 5-6-24 Time 1705

Relinquished by: (Signature) A.H. Date 5-6-24 Time 2400 Received by: (Signature) Kuyah R Hall Date 5-7-24 Time 0500

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





## Envirotech Analytical Laboratory

Printed: 5/10/2024 7:52:49AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/07/24 05:00	Work Order ID:	E405085
Phone:	(972) 371-5200	Date Logged In:	05/06/24 17:21	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	05/13/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sample ID corrected per client per text message. Sample FS16-2.5 to FS15-2.5.  
Green Copy Made with corrections

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

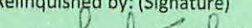
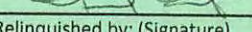
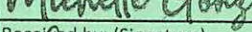




envirotech Inc.



[illegible]

Additional Instructions: Please CC: [cburton@ensolum.com](mailto:cburton@ensolum.com), [agiovento@ensolum.com](mailto:agiovento@ensolum.com), [chamilton@ensolum.com](mailto:chamilton@ensolum.com), [iestrella@ensolum.com](mailto:iestrella@ensolum.com)

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.					
Sampled by:											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	<div>Lab Use Only</div> <div>Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N</div> <div>T1 _____ T2 _____ T3 _____</div> <div>AVG Temp °C <u>4</u></div>			
		5/6/24	10:20	Michelle Gonzales		5-6-24	1020				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
		5-6-24	1705			5-6-24	1705				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
		5-6-24	2400			5-7-24	0500				
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 30 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: Matador Production Company				<b>Bill To</b> Attention: Ensolum LLC Address: on file City, State, Zip: Phone: 575-988-0055 Email: agiovengo@ensolum.com				Lab Use Only						TAT				EPA Program					
Project: Jack Sleeper Booster Station								Lab WO# E405085		Job Number 23003-0001		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Ashley Giovengo								Analysis and Method						x				RCRA					
Address: 3122 National Parks Hwy														State									
City, State, Zip: Carlsbad NM, 88220								NM				CO		UT		AZ		TX					
Phone: 575-988-0055				TPH GRO/DRO/ORO by 8015				BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		TCEQ TPH		BGDOC		GDOC		Remarks	
Email: agiovengo@ensolum.com																							
Report due by:																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																		
10:41	5/3/2024	Soil	1	FS31 - 2'	1																		
10:43	5/3/2024	Soil	1	FS32 - 3'	2																		
10:46	5/3/2024	Soil	1	FS33 - 3'	3																		
10:43	5/3/2024	Soil	1	FS34 - 3'	4																		
10:47	5/3/2024	Soil	1	FS35 - 3'	5																		
10:50	5/3/2024	Soil	1	FS36 - 3'	6																		
10:51	5/3/2024	Soil	1	FS37 - 3'	7																		
10:52	5/3/2024	Soil	1	FS38 - 3'	8																		
10:54	5/3/2024	Soil	1	FS39 - 3'	9																		
10:40	5/3/2024	Soil	1	FS40 - 2'	10																		
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only											
[Signature]		5/6/24		10:20		Michelle Gonzales		5-6-24		1020		Received on ice: Y / N											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3											
Michelle Gonzales		5-6-24		1705		[Signature]		5.6.24		1705													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C											
[Signature]		5.6.24		2400		Kyrin R Hall		5-7-24		0500		4											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405085

Job Number: 23003-0002

Received: 5/7/2024

Revision: 3

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/17/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405085  
Date Received: 5/7/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2024 5:00:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

**Michelle Golzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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



## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS31-2'	6
FS32 -3'	7
FS33 -3'	8
FS34 -3'	9
FS35 -3'	10
FS36 -3'	11
FS37 -3'	12
FS38 -3'	13
FS39 -3'	14
FS40 -2'	15
FS41 -2'	16
FS42 -3'	17
FS16 -2.5	18
FS15 -2.5	19
QC Summary Data	20
QC - Volatile Organic Compounds by EPA 8260B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

## Table of Contents (continued)

Chain of Custody etc.

25

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/17/24 10:52
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS31 -2'	E405085-01A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS32 -3'	E405085-02A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS33 -3'	E405085-03A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS34 -3'	E405085-04A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS35 -3'	E405085-05A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS36 -3'	E405085-06A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS37 -3'	E405085-07A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS38 -3'	E405085-08A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS39 -3'	E405085-09A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS40 -2'	E405085-10A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS41 -2'	E405085-11A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS42 -3'	E405085-12A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS16 -2.5	E405085-13A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.
FS15 -2.5	E405085-14A	Soil	05/03/24	05/07/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
---	--	-----------------------------------

FS31-2'  
E405085-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2419063	
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2419063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419152	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		98.4 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419201	
Chloride	40.9	20.0	1	05/10/24	05/10/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 10:52:47AM

FS32 -3'

E405085-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		102 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
---	--	-----------------------------------

FS33 -3'

E405085-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		99.6 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	222	20.0	1	05/10/24	05/10/24	





## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 10:52:47AM

FS34 -3'

E405085-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	53.9	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	162	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		102 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	371	20.0	1	05/10/24	05/10/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 10:52:47AM

FS35 -3'

E405085-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		99.3 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	44.8	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
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FS36 -3'

E405085-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		103 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	29.0	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
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FS37 -3'

E405085-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		100 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
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FS38 -3'  
E405085-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		102 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 10:52:47AM

FS39 -3'

E405085-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		104 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/10/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
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FS40 -2'

E405085-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		102 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		104 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	23.4	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
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FS41 -2'

E405085-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		106 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	ND	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 10:52:47AM
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FS42 -3'

E405085-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		103 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	21.1	20.0	1	05/10/24	05/11/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 10:52:47AM

## FS16 -2.5

## E405085-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		99.5 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	34.9	20.0	1	05/10/24	05/11/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 10:52:47AM

## FS15 -2.5

## E405085-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419152
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/13/24	
Surrogate: n-Nonane		101 %	50-200	05/09/24	05/13/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419201
Chloride	33.0	20.0	1	05/10/24	05/11/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 10:52:47AM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

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

Blank (2419063-BLK1)

Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2419063-BS1)

Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.71	0.0250	2.50		108	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.81	0.0250	2.50		112	70-130			
p,m-Xylene	5.63	0.0500	5.00		113	70-130			
Total Xylenes	8.45	0.0250	7.50		113	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike (2419063-MS1)

Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.75	0.0250	2.50	ND	110	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.62	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.42	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2419063-MSD1)

Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/10/24

Benzene	2.56	0.0250	2.50	ND	103	48-131	0.797	23	
Ethylbenzene	2.72	0.0250	2.50	ND	109	45-135	0.859	27	
Toluene	2.59	0.0250	2.50	ND	103	48-130	1.34	24	
o-Xylene	2.86	0.0250	2.50	ND	115	43-135	2.35	27	
p,m-Xylene	5.78	0.0500	5.00	ND	116	43-135	2.75	27	
Total Xylenes	8.64	0.0250	7.50	ND	115	43-135	2.62	27	
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 10:52:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

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

Blank (2419063-BLK1) Prepared: 05/07/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2419063-BS2) Prepared: 05/07/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2419063-MS2) Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2419063-MSD2) Source: E405072-04 Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	1.82	20	
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 10:52:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419152-BLK1) Prepared: 05/09/24 Analyzed: 05/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	50-200			

LCS (2419152-BS1) Prepared: 05/09/24 Analyzed: 05/12/24

Diesel Range Organics (C10-C28)	291	25.0	250		116	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			

LCS Dup (2419152-BSD1) Prepared: 05/09/24 Analyzed: 05/12/24

Diesel Range Organics (C10-C28)	284	25.0	250		114	38-132	2.44	20	
Surrogate: n-Nonane	52.5		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 10:52:47AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419201-BLK1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	ND	20.0							
LCS (2419201-BS1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	260	20.0	250		104	90-110			
LCS Dup (2419201-BSD1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	260	20.0	250		104	90-110	0.0561	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/17/24 10:52

- ND      Analyte NOT DETECTED at or above the reporting limit
  - NR      Not Reported
  - RPD      Relative Percent Difference
  - DNI      Did Not Ignite
  - DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Matador Production Company				<b>Bill To</b> Attention: Ensolum LLC Address: on file City, State, Zip: Phone: 575-988-0055 Email: agiovengo@ensolum.com		Lab Use Only						TAT				EPA Program						
Project: Jack Sleeper Booster Station						Lab WO#	Job Number					1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Ashley Giovengo						E405285					23003-0001					x						
Address: 3122 National Parks Hwy						Analysis and Method												RCRA				
City, State, Zip: Carlsbad NM, 88220						TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State								
Phone: 575-988-0055																NM	CO	UT	AZ	TX		
mail: agiovengo@ensolum.com																x						
Report due by:																Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
10:41	5/3/2024	Soil	1	FS31 - 2'	1										X							
10:43	5/3/2024	Soil	1	FS32 - 3'	2										X							
10:46	5/3/2024	Soil	1	FS33 - 3'	3										X							
10:43	5/3/2024	Soil	1	FS34 - 3'	4										X							
10:47	5/3/2024	Soil	1	FS35 - 3'	5										X							
10:50	5/3/2024	Soil	1	FS36 - 3'	6										X							
10:51	5/3/2024	Soil	1	FS37 - 3'	7										X							
10:52	5/3/2024	Soil	1	FS38 - 3'	8										X							
10:54	5/3/2024	Soil	1	FS39 - 3'	9										X							
10:40	5/3/2024	Soil	1	FS40 - 2'	10										X							
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.												
Relinquished by: (Signature)										Sampled by:												
Michelle Gonzales										Michelle Gonzales												
Date: 5/6/24										Date: 5-6-24												
Time: 10:20										Time: 1020												
Relinquished by: (Signature)										Received by: (Signature)												
Michelle Gonzales										C.C.H.												
Date: 5-6-24										Date: 5-6-24												
Time: 1705										Time: 1705												
Relinquished by: (Signature)										Received by: (Signature)												
C.C.H.										Kuyah R Hall												
Date: 5-6-24										Date: 5-7-24												
Time: 2400										Time: 0500												
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 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						







## Envirotech Analytical Laboratory

Printed: 5/10/2024 7:52:49AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/07/24 05:00	Work Order ID:	E405085
Phone:	(972) 371-5200	Date Logged In:	05/06/24 17:21	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	05/13/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sample ID corrected per client per text message. Sample FS16-2.5 to FS15-2.5.  
Green Copy Made with corrections

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



[illegible]

Additional Instructions: Please CC: [cburton@ensolum.com](mailto:cburton@ensolum.com), [agiovento@ensolum.com](mailto:agiovento@ensolum.com), [chamilton@ensolum.com](mailto:chamilton@ensolum.com), [iestrella@ensolum.com](mailto:iestrella@ensolum.com)

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

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

Relinquished by: (Signature) <i>[Signature]</i>	Date 5/16/24	Time 10:20	Received by: (Signature) <i>Michelle Gonzales</i>	Date 5-6-24	Time 1020	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 5-6-24	Time 1705	Received by: (Signature) <i>L.H.</i>	Date 5.6.24	Time 1705	
Relinquished by: (Signature) <i>L.H.</i>	Date 5.6.24	Time 2400	Received by: (Signature) <i>Kevin R. Allen</i>	Date 5-7-24	Time 0500	

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



**envirotech**



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405090

Job Number: 23003-0002

Received: 5/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/13/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/13/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405090  
Date Received: 5/7/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2024 7:45:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

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## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS49 - 4.5'	5
FS50 - 5.5'	6
FS52 - 5.5'	7
QC Summary Data	8
QC - Volatile Organic Compounds by EPA 8260B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14



Sample Summary

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/13/24 09:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS49 - 4.5'	E405090-01A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS50 - 5.5'	E405090-02A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
	E405090-02B	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS52 - 5.5'	E405090-03A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
	E405090-03B	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 9:25:51AM
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FS49 - 4.5'  
E405090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419094	
Benzene	ND	0.0250	1	05/07/24	05/09/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/09/24	
Toluene	ND	0.0250	1	05/07/24	05/09/24	
o-Xylene	ND	0.0250	1	05/07/24	05/09/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/09/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/09/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130	05/07/24	05/09/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/07/24	05/09/24	
Surrogate: Toluene-d8		96.7 %	70-130	05/07/24	05/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419094	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/09/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130	05/07/24	05/09/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/07/24	05/09/24	
Surrogate: Toluene-d8		96.7 %	70-130	05/07/24	05/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419108	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/09/24	
Surrogate: n-Nonane		108 %	50-200	05/08/24	05/09/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419056	
Chloride	600	20.0	1	05/07/24	05/07/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 9:25:51AM
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FS50 - 5.5'  
E405090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2419094
Benzene	ND	0.0250	1	05/07/24	05/09/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/09/24	
Toluene	ND	0.0250	1	05/07/24	05/09/24	
o-Xylene	ND	0.0250	1	05/07/24	05/09/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/09/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/09/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		05/07/24	05/09/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		05/07/24	05/09/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/07/24	05/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2419094
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/09/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		05/07/24	05/09/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		05/07/24	05/09/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/07/24	05/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419060
Diesel Range Organics (C10-C28)	ND	25.0	1	05/07/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/07/24	05/08/24	
Surrogate: n-Nonane	106 %	50-200		05/07/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419056
Chloride	285	20.0	1	05/07/24	05/07/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 9:25:51AM
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FS52 - 5.5'  
E405090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2419094
Benzene	ND	0.0250	1	05/07/24	05/09/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/09/24	
Toluene	ND	0.0250	1	05/07/24	05/09/24	
o-Xylene	ND	0.0250	1	05/07/24	05/09/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/09/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/09/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		05/07/24	05/09/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		05/07/24	05/09/24	
Surrogate: Toluene-d8	96.6 %	70-130		05/07/24	05/09/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2419094
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/09/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		05/07/24	05/09/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		05/07/24	05/09/24	
Surrogate: Toluene-d8	96.6 %	70-130		05/07/24	05/09/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419060
Diesel Range Organics (C10-C28)	ND	25.0	1	05/07/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/07/24	05/08/24	
Surrogate: n-Nonane	106 %	50-200		05/07/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419056
Chloride	ND	20.0	1	05/07/24	05/07/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 9:25:51AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2419094-BLK1) Prepared: 05/07/24 Analyzed: 05/08/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

LCS (2419094-BS1) Prepared: 05/07/24 Analyzed: 05/08/24

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130			
Toluene	2.33	0.0250	2.50		93.4	70-130			
o-Xylene	2.42	0.0250	2.50		96.9	70-130			
p,m-Xylene	4.75	0.0500	5.00		95.0	70-130			
Total Xylenes	7.17	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			

Matrix Spike (2419094-MS1) Source: E405084-25 Prepared: 05/07/24 Analyzed: 05/08/24

Benzene	2.68	0.0250	2.50	ND	107	48-131			
Ethylbenzene	2.51	0.0250	2.50	ND	100	45-135			
Toluene	2.42	0.0250	2.50	ND	97.0	48-130			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
p,m-Xylene	4.93	0.0500	5.00	ND	98.6	43-135			
Total Xylenes	7.46	0.0250	7.50	ND	99.4	43-135			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			

Matrix Spike Dup (2419094-MSD1) Source: E405084-25 Prepared: 05/07/24 Analyzed: 05/08/24

Benzene	2.26	0.0250	2.50	ND	90.3	48-131	17.0	23	
Ethylbenzene	2.12	0.0250	2.50	ND	84.6	45-135	17.1	27	
Toluene	2.05	0.0250	2.50	ND	82.1	48-130	16.6	24	
o-Xylene	2.14	0.0250	2.50	ND	85.4	43-135	16.7	27	
p,m-Xylene	4.16	0.0500	5.00	ND	83.2	43-135	17.0	27	
Total Xylenes	6.29	0.0250	7.50	ND	83.9	43-135	16.9	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 9:25:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419094-BLK1) Prepared: 05/07/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

LCS (2419094-BS2) Prepared: 05/07/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

Matrix Spike (2419094-MS2) Source: E405084-25 Prepared: 05/07/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

Matrix Spike Dup (2419094-MSD2) Source: E405084-25 Prepared: 05/07/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.1	70-130	8.76	20	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 9:25:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419060-BLK1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	50-200			

LCS (2419060-BS1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Diesel Range Organics (C10-C28)	277	25.0	250		111	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

LCS Dup (2419060-BSD1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132	0.764	20	
Surrogate: n-Nonane	52.4		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 9:25:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419108-BLK1)					Prepared: 05/08/24 Analyzed: 05/09/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.3		50.0		105	50-200			

LCS (2419108-BS1)					Prepared: 05/08/24 Analyzed: 05/09/24				
Diesel Range Organics (C10-C28)	286	25.0	250		114	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

LCS Dup (2419108-BSD1)					Prepared: 05/08/24 Analyzed: 05/09/24				
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132	1.39	20	
Surrogate: n-Nonane	52.5		50.0		105	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 9:25:51AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419056-BLK1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Chloride	ND	20.0							
LCS (2419056-BS1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Chloride	254	20.0	250		101	90-110			
LCS Dup (2419056-BSD1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Chloride	258	20.0	250		103	90-110	1.66	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/13/24 09:25

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

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

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

<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>													
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX										
Project: Jack Sleeper Booster Station				Address: 3122 National Parks Hwy				E 405090		23003-0002		X			X	X													
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																									
Address: 3122 National Parks Hwy				Phone: 575-988-0055																									
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																									
Phone: 575-988-0055				Miscellaneous:																									
Email: agiovengo@ensolum.com																													
																<b>Analysis and Method</b>				<b>EPA Program</b>									
																									SDWA	CWA	RCRA		
																									Compliance	Y	or	N	
																									PWSID #				
																													Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/PRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals														
11:12	5/6/2024	Soil	1	FS49 - 4.5'			1						X												Rush chloride only, if chloride is > 600 do not run BTEX or TPH				
12:21	5/6/2024	Solid	2	FS50 - 5.5'			2						X												Rush chloride only, if chloride is > 600 do not run BTEX or TPH				
12:19	5/6/2024	Solid	2	FS52 - 5.5'			3						X												Rush chloride only, if chloride is > 600 do not run BTEX or TPH				
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																													
Sampled by: Cole Burton																													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days  Lab Use Only Received on ice: (Y) / N  T1 _____ T2 _____ T3 _____  AVG Temp °C 4																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																													

## Envirotech Analytical Laboratory

Printed: 5/7/2024 11:45:40AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC.  
 Phone: (972) 371-5200  
 Email: agiovngo@ensolum.com

Date Received: 05/07/24 07:45  
 Date Logged In: 05/07/24 07:44  
 Due Date: 05/07/24 17:00 (0 day TAT)

Work Order ID: E405090  
 Logged In By: Angelina Pineda

Chain of Custody (COC)

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

On all Samples : Rush chloride if >600 Do  
 Not Run BTEX or TPH.

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405091

Job Number: 23003-0002

Received: 5/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/13/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/13/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405091  
Date Received: 5/7/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2024 7:45:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW01 -0-3'	5
SW05 -0-3'	6
SW06 -0-3'	7
FS43 -3'	8
FS44 -3'	9
FS48 -4.5'	10
FS54 -3'	11
FS55 -2'	12
FS45 -4'	13
FS46 -5'	14
FS59 -3'	15
QC Summary Data	16
QC - Volatile Organic Compounds by EPA8260B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/13/24 17:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 -0-3'	E405091-01A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
SW05 -0-3'	E405091-02A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
SW06 -0-3'	E405091-03A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS43 -3'	E405091-04A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS44 -3'	E405091-05A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS48 -4.5'	E405091-06A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS54 -3'	E405091-07A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS55 -2'	E405091-08A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS45 -4'	E405091-09A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS46 -5'	E405091-10A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.
FS59 -3'	E405091-11A	Soil	05/06/24	05/07/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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SW01 -0-3'  
E405091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419079	
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2419158	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/11/24	
Surrogate: n-Nonane		106 %	50-200	05/09/24	05/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419200	
Chloride	57.0	20.0	1	05/10/24	05/11/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2024 5:08:05PM

SW05 -0-3'

E405091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/11/24	
Surrogate: n-Nonane		110 %	50-200	05/09/24	05/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	27.8	20.0	1	05/10/24	05/11/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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SW06 -0-3'  
E405091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		107 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	66.7	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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FS43 -3'

E405091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		103 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	90.2	20.0	1	05/10/24	05/11/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2024 5:08:05PM

FS44 -3'

E405091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		101 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	141	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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FS48 -4.5'

E405091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/11/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/11/24	
Toluene	ND	0.0250	1	05/07/24	05/11/24	
o-Xylene	ND	0.0250	1	05/07/24	05/11/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/11/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/11/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		110 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	61.4	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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FS54 -3'

E405091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/12/24	
Toluene	ND	0.0250	1	05/07/24	05/12/24	
o-Xylene	ND	0.0250	1	05/07/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		104 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	111	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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FS55 -2'

E405091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/12/24	
Toluene	ND	0.0250	1	05/07/24	05/12/24	
o-Xylene	ND	0.0250	1	05/07/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		103 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		108 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	123	20.0	1	05/10/24	05/11/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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FS45 -4'  
E405091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/12/24	
Toluene	ND	0.0250	1	05/07/24	05/12/24	
o-Xylene	ND	0.0250	1	05/07/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		105 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		106 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	60.1	20.0	1	05/10/24	05/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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FS46 -5'

E405091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Benzene	ND	0.0250	1	05/07/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/12/24	
Toluene	ND	0.0250	1	05/07/24	05/12/24	
o-Xylene	ND	0.0250	1	05/07/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419079
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419158
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		110 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419200
Chloride	46.1	20.0	1	05/10/24	05/13/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2024 5:08:05PM
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FS59 -3'

E405091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419079	
Benzene	ND	0.0250	1	05/07/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/07/24	05/12/24	
Toluene	ND	0.0250	1	05/07/24	05/12/24	
o-Xylene	ND	0.0250	1	05/07/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/07/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/24	05/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/07/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	05/07/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/07/24	05/12/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419158	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/24	05/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/24	05/12/24	
Surrogate: n-Nonane		108 %	50-200	05/09/24	05/12/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419200	
Chloride	94.9	20.0	1	05/10/24	05/13/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 5:08:05PM

Volatile Organic Compounds by EPA 8260B

Analyst: EG

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

Blank (2419079-BLK1) Prepared: 05/07/24 Analyzed: 05/11/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2419079-BS1) Prepared: 05/07/24 Analyzed: 05/11/24

Benzene	2.62	0.0250	2.50		105	70-130			
Ethylbenzene	2.76	0.0250	2.50		111	70-130			
Toluene	2.64	0.0250	2.50		106	70-130			
o-Xylene	2.88	0.0250	2.50		115	70-130			
p,m-Xylene	5.82	0.0500	5.00		116	70-130			
Total Xylenes	8.70	0.0250	7.50		116	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike (2419079-MS1) Source: E405087-03 Prepared: 05/07/24 Analyzed: 05/11/24

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135			
Toluene	2.59	0.0250	2.50	ND	104	48-130			
o-Xylene	2.91	0.0250	2.50	ND	116	43-135			
p,m-Xylene	5.90	0.0500	5.00	ND	118	43-135			
Total Xylenes	8.81	0.0250	7.50	ND	117	43-135			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike Dup (2419079-MSD1) Source: E405087-03 Prepared: 05/07/24 Analyzed: 05/11/24

Benzene	2.39	0.0250	2.50	ND	95.6	48-131	5.57	23	
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135	4.82	27	
Toluene	2.47	0.0250	2.50	ND	98.8	48-130	4.76	24	
o-Xylene	2.80	0.0250	2.50	ND	112	43-135	3.64	27	
p,m-Xylene	5.64	0.0500	5.00	ND	113	43-135	4.50	27	
Total Xylenes	8.44	0.0250	7.50	ND	113	43-135	4.21	27	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 5:08:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419079-BLK1) Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2419079-BS2) Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	63.1	20.0	50.0		126	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike (2419079-MS2) Source: E405087-03 Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	61.1	20.0	50.0	ND	122	70-130			
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike Dup (2419079-MSD2) Source: E405087-03 Prepared: 05/07/24 Analyzed: 05/11/24

Gasoline Range Organics (C6-C10)	56.8	20.0	50.0	ND	114	70-130	7.29	20	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 5:08:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419158-BLK1)					Prepared: 05/09/24 Analyzed: 05/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.9		50.0		112	50-200			

LCS (2419158-BS1)					Prepared: 05/09/24 Analyzed: 05/11/24				
Diesel Range Organics (C10-C28)	295	25.0	250		118	38-132			
Surrogate: n-Nonane	54.8		50.0		110	50-200			

LCS Dup (2419158-BSD1)					Prepared: 05/09/24 Analyzed: 05/11/24				
Diesel Range Organics (C10-C28)	308	25.0	250		123	38-132	4.30	20	
Surrogate: n-Nonane	55.0		50.0		110	50-200			





QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2024 5:08:05PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419200-BLK1)					Prepared: 05/10/24 Analyzed: 05/11/24				
Chloride	ND	20.0							
LCS (2419200-BS1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Chloride	253	20.0	250		101	90-110			
LCS Dup (2419200-BSD1)					Prepared: 05/10/24 Analyzed: 05/11/24				
Chloride	259	20.0	250		104	90-110	2.32	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/13/24 17:08

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

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

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



## Chain of Custody

Page 1 of 2

Client Information					Invoice Information					Lab Use Only					TAT				State									
Client: Matador Production Company					Company: Ensolum LLC					Lab WO# E405091					Job Number 23003-002					1D	2D	3D	Std	NM	CO	UT	TX	
Project: Jack Sleeper Booster Station					Address: 3122 National Parks Hwy																			x				
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy					Phone: 575-988-0055																							
City, State, Zip: Carlsbad NM, 88220					Email: agiovengo@ensolum.com																							
Phone: 575-988-0055					Miscellaneous:																							
Email: agiovengo@ensolum.com																												
Sample Information														Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA										
9:13	5/6/2024	Soil	1	SW01 - 0-3'			1						X				Compliance	Y	or	N								
9:23	5/6/2024	Soil	1	SW05 - 0-3'			2						X				PWSID #											
9:25	5/6/2024	Soil	1	SW06 - 0-3'			3						X															
10:58	5/6/2024	Soil	1	FS43 - 3'			4						X															
11:00	5/6/2024	Soil	1	FS44 - 3'			5						X															
11:19	5/6/2024	Soil	1	FS48 - 4.5'			6						X															
11:30	5/6/2024	Soil	1	FS54 - 3'			7						X															
11:22	5/6/2024	Soil	1	FS55 - 2'			8						X															
11:15	5/6/2024	Soil	1	FS45 - 4'			9						X															
11:03	5/6/2024	Soil	1	FS46 - 5'			10						X															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																												
Sampled by: Cole Burton																												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Lab Use Only Received on Ice: (Y) N  T1 _____ T2 _____ T3 _____  AVG Temp °C 4																
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																												



[illegible]

## Envirotech Analytical Laboratory

Printed: 5/7/2024 11:53:03AM

## 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.  
 Phone: (972) 371-5200  
 Email: agiovnngo@ensolum.com

Date Received: 05/07/24 07:45  
 Date Logged In: 05/07/24 08:08  
 Due Date: 05/13/24 17:00 (4 day TAT)

Work Order ID: E405091  
 Logged In By: Angelina Pineda

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

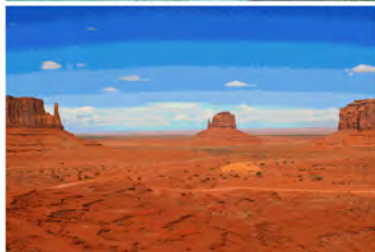
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405131

Job Number: 23003-0002

Received: 5/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/17/24



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

Project Name: Jack Sleeper Booster Station  
Workorder: E405131  
Date Received: 5/9/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/9/2024 7:45:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS58 - 2'	6
SW02 - 0-3'	7
SW03 - 0-2'	8
SW09 - 0-3'	9
SW10 - 0-4'	10
FS51-4'	11
FS57 -3'	12
FS56 -3.5'	13
FS64 -3'	14
FS68 - 4.5'	15
FS66 - 5.5'	16
FS70 - 5'	17
SW11 - 0-6'	18
SW12 - 0-6'	19
FS47 - 6.5'	20
BH04 - 3'	21
BH04 - 4'	22
QC Summary Data	23
QC - Volatile Organics by EPA 8021B	23
QC - Nonhalogenated Organics by EPA 8015D - GRO	24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	25
QC - Anions by EPA 300.0/9056A	26
Definitions and Notes	28
Chain of Custody etc.	29

## Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/17/24 15:22
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS58 - 2'	E405131-01A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
SW02 - 0-3'	E405131-02A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
SW03 - 0-2'	E405131-03A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
SW09 - 0-3'	E405131-04A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
SW10 - 0-4'	E405131-05A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS51-4'	E405131-06A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS57 -3'	E405131-07A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS56 -3.5'	E405131-08A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS64 -3'	E405131-09A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS68 - 4.5'	E405131-10A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS66 - 5.5'	E405131-11A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS70 - 5'	E405131-12A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
SW11 - 0-6'	E405131-13A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
SW12 - 0-6'	E405131-14A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
FS47 - 6.5'	E405131-15A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
	E405131-15B	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
BH04 - 3'	E405131-16A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.
BH04 - 4'	E405131-17A	Soil	05/07/24	05/09/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS58 - 2'

E405131-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	95.8 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	111 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	1280	20.0	1	05/15/24	05/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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SW02 - 0-3'  
E405131-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	110 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	39.1	20.0	1	05/15/24	05/15/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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SW03 - 0-2'  
E405131-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	109 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	54.7	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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SW09 - 0-3'  
E405131-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/14/24	
Toluene	ND	0.0250	1	05/10/24	05/14/24	
o-Xylene	ND	0.0250	1	05/10/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		05/10/24	05/14/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.5 %	70-130		05/10/24	05/14/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	107 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	30.7	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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SW10 - 0-4'  
E405131-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	94.5 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	106 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	49.1	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS51-4'

E405131-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	94.5 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.7 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	108 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	139	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS57 -3'

E405131-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	110 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	346	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS56 -3.5'  
E405131-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	106 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	ND	20.0	1	05/15/24	05/16/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS64 -3'

E405131-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	131	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS68 - 4.5'  
E405131-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	112 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	411	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS66 - 5.5'  
E405131-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.1 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	110 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	68.9	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS70 - 5'

E405131-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.8 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	109 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	284	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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SW11 - 0-6'  
E405131-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.0 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	108 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	6110	100	5	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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SW12 - 0-6'  
E405131-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	0.0583	0.0500	1	05/10/24	05/15/24	
Total Xylenes	0.0583	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.4 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	106 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	3470	40.0	2	05/15/24	05/16/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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FS47 - 6.5'  
E405131-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.9 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	109 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419163	
Chloride	465	20.0	1	05/10/24	05/10/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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BH04 - 3'

E405131-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2419170	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2420058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane	109 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2420113	
Chloride	40.0	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 3:22:33PM
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BH04 - 4'

E405131-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2419170
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2419170
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2420058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/14/24	05/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2420113
Chloride	25.1	20.0	1	05/15/24	05/16/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 3:22:33PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419170-BLK1) Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			

LCS (2419170-BS1) Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130			
Toluene	5.00	0.0250	5.00		99.9	70-130			
o-Xylene	4.88	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	14.9	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			

Matrix Spike (2419170-MS1) Source: E405131-04 Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	4.99	0.0250	5.00	ND	99.7	54-133			
Ethylbenzene	4.85	0.0250	5.00	ND	96.9	61-133			
Toluene	4.93	0.0250	5.00	ND	98.6	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

Matrix Spike Dup (2419170-MSD1) Source: E405131-04 Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	5.02	0.0250	5.00	ND	100	54-133	0.701	20	
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133	0.859	20	
Toluene	4.96	0.0250	5.00	ND	99.2	61-130	0.623	20	
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131	0.751	20	
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131	0.760	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131	0.757	20	
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 3:22:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419170-BLK1) Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

LCS (2419170-BS2) Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

Matrix Spike (2419170-MS2) Source: E405131-04 Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.4	70-130			

Matrix Spike Dup (2419170-MSD2) Source: E405131-04 Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.5	70-130	0.430	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 3:22:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2420058-BLK1)					Prepared: 05/14/24 Analyzed: 05/16/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			

LCS (2420058-BS1)					Prepared: 05/14/24 Analyzed: 05/16/24				
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			

LCS Dup (2420058-BSD1)					Prepared: 05/14/24 Analyzed: 05/16/24				
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132	1.30	20	
Surrogate: n-Nonane	54.6		50.0		109	50-200			





QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 3:22:33PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419163-BLK1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	ND	20.0							
LCS (2419163-BS1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2419163-BSD1)					Prepared: 05/10/24 Analyzed: 05/10/24				
Chloride	254	20.0	250		102	90-110	1.93	20	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 3:22:33PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2420113-BLK1)					Prepared: 05/15/24 Analyzed: 05/15/24				
Chloride	ND	20.0							
LCS (2420113-BS1)					Prepared: 05/15/24 Analyzed: 05/15/24				
Chloride	254	20.0	250		101	90-110			
LCS Dup (2420113-BSD1)					Prepared: 05/15/24 Analyzed: 05/15/24				
Chloride	254	20.0	250		101	90-110	0.0205	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/17/24 15:22

- ND            Analyte NOT DETECTED at or above the reporting limit
- NR            Not Reported
- RPD          Relative Percent Difference
- DNI          Did Not Ignite
- DNR          Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Chain of Custody

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Jack Sleeper Booster Station				Address: 3122 National Parks Hwy				E405131		2303-002					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
8:52	5/7/2024	Soil	1	FS58 - 2'			1						X						
9:27	5/7/2024	Soil	1	SW02 - 0-3'			2						X						
9:34	5/7/2024	Soil	1	SW03 - 0-2'			3						X						
9:36	5/7/2024	Soil	1	SW09 - 03'			4						X						
9:38	5/7/2024	Soil	1	SW10 - 0-4'			5						X						
10:36	5/7/2024	Soil	1	FS51 - 4'			6						X						
11:33	5/7/2024	Soil	1	FS57 - 3'			7						X						
11:55	5/7/2024	Soil	1	FS56 - 3.5'			8						X						
13:37	5/7/2024	Soil	1	FS64 - 3'			9						X						
14:13	5/7/2024	Soil	1	FS68 - 4.5'			10						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days							
22 PM		5/8/24		7:30		Michelle Gonzales		5-8-24		0730									
Michelle Gonzales		5-8-24		1800		John M880		5-8-24		1800		Lab Use Only Received on ice: (Y) N							
John M880		5-8-24		2345		John		5/9/24		0745		T1 T2 T3							
												AVG Temp °C 4							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



## Chain of Custody

Page 2 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Jack Sleeper Booster Station				Address: 3122 National Parks Hwy				E 405131		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
14:35	5/7/2024	Soil	1	FS66 - 5.5'		11						X							
14:43	5/7/2024	Soil	1	FS70 - 5'		12						X							
10:21	5/7/2024	Soil	1	SW11 - 0-6'		13						X							
10:17	5/7/2024	Soil	1	SW12 - 0-6'		14						X							
15:11	5/7/2024	Solid	2	FS47 - 6.5'		15						X							
14:00	5/7/2024	Soil	1	BH04 - 3'		16						X							
14:02	5/7/2024	Soil	1	BH04 - 4'		17						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C 4											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



## Envirotech Analytical Laboratory

Printed: 5/9/2024 10:28:56AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC.  
 Phone: (972) 371-5200  
 Email: agiovngo@ensolum.com

Date Received: 05/09/24 07:45  
 Date Logged In: 05/09/24 08:04  
 Due Date: 05/15/24 17:00 (4 day TAT)

Work Order ID: E405131  
 Logged In By: Angelina Pineda

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID? Yes  
 Date/Time Collected? Yes  
 Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405132

Job Number: 23003-0002

Received: 5/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/17/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405132  
Date Received: 5/9/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/9/2024 7:45:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
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Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzaes**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS69 - 3'	5
FS67 - 2'	6
SW07 - 0-3'	7
FS63 -3'	8
FS65 -4'	9
FS62 -3.5'	10
FS61 -4'	11
FS53 -3'	12
SW08 -0-4.5'	13
SW04 -0-3'	14
FS60 -3'	15
QC Summary Data	16
QC - Volatile Organic Compounds by EPA 8260B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/17/24 18:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS69 - 3'	E405132-01A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS67 - 2'	E405132-02A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
SW07 - 0-3'	E405132-03A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS63 -3'	E405132-04A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS65 -4'	E405132-05A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS62 -3.5'	E405132-06A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS61 -4'	E405132-07A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS53 -3'	E405132-08A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
SW08 -0-4.5'	E405132-09A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
SW04 -0-3'	E405132-10A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS60 -3'	E405132-11A	Soil	05/08/24	05/09/24	Glass Jar, 2 oz.
FS61 -5.5'	E405132-12A	Solid	05/08/24	05/09/24	Glass Jar, 2 oz.
	E405132-12B	Solid	05/08/24	05/09/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 6:04:54PM
---	--	----------------------------------

FS69 - 3'

E405132-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2419194	
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.4 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2419194	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.4 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2420055	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		108 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2420115	
Chloride	393	20.0	1	05/15/24	05/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 6:04:54PM
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FS67 - 2'

E405132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/14/24	
Toluene	ND	0.0250	1	05/10/24	05/14/24	
o-Xylene	ND	0.0250	1	05/10/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/14/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/14/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		106 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	ND	20.0	1	05/15/24	05/15/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 6:04:54PM
---	--	----------------------------------

SW07 - 0-3'  
E405132-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		109 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	52.1	20.0	1	05/15/24	05/15/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 6:04:54PM

FS63 -3'

E405132-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.4 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.4 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		110 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	ND	20.0	1	05/15/24	05/15/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 6:04:54PM

**FS65 -4'**  
**E405132-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		93.1 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	320	20.0	1	05/15/24	05/15/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 6:04:54PM

FS62 -3.5'

E405132-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		94.0 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	197	20.0	1	05/15/24	05/15/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 6:04:54PM

FS61 -4'

E405132-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		93.2 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	440	20.0	1	05/15/24	05/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 6:04:54PM
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FS53 -3'

E405132-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		97.4 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		97.4 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		91.9 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	37.2	20.0	1	05/15/24	05/15/24	





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 6:04:54PM
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SW08 -0-4.5'  
E405132-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/10/24	05/15/24	
Surrogate: Toluene-d8	96.2 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/10/24	05/15/24	
Surrogate: Toluene-d8	96.2 %	70-130		05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane	93.0 %	50-200		05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	38.6	20.0	1	05/15/24	05/15/24	



## Sample Data

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

Project Name: Jack Sleeper Booster Station  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/17/2024 6:04:54PM

SW04 -0-3'

E405132-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.5 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		96.5 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		92.2 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	40.8	20.0	1	05/15/24	05/16/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/17/2024 6:04:54PM
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FS60 -3'

E405132-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		97.0 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419194
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		97.0 %	70-130	05/10/24	05/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2420055
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/17/24	
Surrogate: n-Nonane		93.6 %	50-200	05/14/24	05/17/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420115
Chloride	34.0	20.0	1	05/15/24	05/16/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 6:04:54PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

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

Blank (2419194-BLK1) Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2419194-BS1) Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	2.90	0.0250	2.50		116	70-130			
Ethylbenzene	2.67	0.0250	2.50		107	70-130			
Toluene	2.58	0.0250	2.50		103	70-130			
o-Xylene	2.64	0.0250	2.50		106	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.81	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

Matrix Spike (2419194-MS1) Source: E405132-02 Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	2.86	0.0250	2.50	ND	114	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	105	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.15	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.78	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

Matrix Spike Dup (2419194-MSD1) Source: E405132-02 Prepared: 05/10/24 Analyzed: 05/14/24

Benzene	2.83	0.0250	2.50	ND	113	48-131	0.933	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	0.614	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	1.01	24	
o-Xylene	2.64	0.0250	2.50	ND	105	43-135	0.533	27	
p,m-Xylene	5.14	0.0500	5.00	ND	103	43-135	0.214	27	
Total Xylenes	7.78	0.0250	7.50	ND	104	43-135	0.0386	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 6:04:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419194-BLK1) Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2419194-BS2) Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

Matrix Spike (2419194-MS2) Source: E405132-02 Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

Matrix Spike Dup (2419194-MSD2) Source: E405132-02 Prepared: 05/10/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.9	70-130	1.12	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 6:04:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2420055-BLK1)					Prepared: 05/14/24 Analyzed: 05/17/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	50-200			

LCS (2420055-BS1)					Prepared: 05/14/24 Analyzed: 05/17/24				
Diesel Range Organics (C10-C28)	303	25.0	250		121	38-132			
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS Dup (2420055-BSD1)					Prepared: 05/14/24 Analyzed: 05/17/24				
Diesel Range Organics (C10-C28)	310	25.0	250		124	38-132	2.38	20	
Surrogate: n-Nonane	56.8		50.0		114	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/17/2024 6:04:54PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2420115-BLK1)					Prepared: 05/15/24 Analyzed: 05/15/24				
Chloride	ND	20.0							
LCS (2420115-BS1)					Prepared: 05/15/24 Analyzed: 05/15/24				
Chloride	250	20.0	250		100	90-110			
LCS Dup (2420115-BSD1)					Prepared: 05/15/24 Analyzed: 05/15/24				
Chloride	251	20.0	250		101	90-110	0.434	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/17/24 18:04

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



## Chain of Custody

Page 1 of 2

Received by OCD: 6/7/2024 8:28:36 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E 405132		Job Number 23003-0002		1D 2D 3D Std		NM CO UT TX					
Project: Jack Sleeper Booster Station				Address: 3122 National Parks Hwy										x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
8:30	5/8/2024	Soil	1	FS69 - 3'		1						X							
9:04	5/8/2024	Soil	1	FS67 - 2'		2						X							
9:01	5/8/2024	Soil	1	SW07 - 0-3'		3						X							
10:17	5/8/2024	Soil	1	FS63 - 3'		4						X							
10:30	5/8/2024	Soil	1	FS65 - 4'		5						X							
11:04	5/8/2024	Soil	1	FS62 - 3.5'		6						X							
11:09	5/8/2024	Soil	1	FS61 - 4'		7						X							
8:50	5/8/2024	Soil	1	FS53 - 3'		8						X							
12:23	5/8/2024	Soil	1	SW08 - 0-4.5'		9						X							
13:12	5/8/2024	Soil	1	SW04 - 0-3'		10						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days							
C. Burton		5/8/24		1552		Michelle Gonzales		5-8-24		1552									
Michelle Gonzales		5-8-24		1800		Laura Mullis		5-8-24		1800		Received on ice: Y N							
Andrew Mullis		5-8-24		2345		Laura Mullis		5/9/24		0745		T1 T2 T3							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C 4							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Page 265 of 329

## Chain of Custody

Client Information					Invoice Information			Lab Use Only				TAT				State					
Client: Matador Production Company					Company: Ensolum LLC			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Jack Sleeper Booster Station					Address: 3122 National Parks Hwy			E 405132		23003-0024					X	X					
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy					Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220					Email: agiovengo@ensolum.com																
Phone: 575-988-0055					Miscellaneous:																
Email: agiovengo@ensolum.com																					
Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
13:33	5/8/2024	Soil	1	FS60 - 3'			11						X								
13:06	5/8/2024	Solid	2	FS61 - 5.5'			12						X								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Cole Burton																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. <div>             Lab Use Only              Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N              T1 _____ T2 _____ T3 _____              AVG Temp °C <u>4</u> </div>													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



## Envirotech Analytical Laboratory

Printed: 5/14/2024 2:27:37PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/09/24 07:45	Work Order ID:	E405132
Phone:	(972) 371-5200	Date Logged In:	05/09/24 08:19	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	05/15/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Sample E405132 -12 COC remarks(Do Not Run unless FS61-4 is >600 cl) in reference to E405132-07.

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Jack Sleeper Booster Station

Work Order: E405251

Job Number: 23003-0002

Received: 5/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/20/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/20/24

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



Project Name: Jack Sleeper Booster Station  
Workorder: E405251  
Date Received: 5/20/2024 9:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/20/2024 9:30:00AM, under the Project Name: Jack Sleeper Booster Station.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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**Michelle Golzales**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS 34-3'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11



Sample Summary

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/24 16:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 34-3'	E405251-01A	Soil	05/17/24	05/20/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Jack Sleeper Booster Station Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/20/2024 4:13:35PM
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FS 34-3'  
E405251-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2421005	
Benzene	ND	0.0250	1	05/19/24	05/20/24	
Ethylbenzene	ND	0.0250	1	05/19/24	05/20/24	
Toluene	ND	0.0250	1	05/19/24	05/20/24	
o-Xylene	ND	0.0250	1	05/19/24	05/20/24	
p,m-Xylene	ND	0.0500	1	05/19/24	05/20/24	
Total Xylenes	ND	0.0250	1	05/19/24	05/20/24	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		05/19/24	05/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2421005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/24	05/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/19/24	05/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2421013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/24	05/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/24	05/20/24	
Surrogate: n-Nonane	101 %	50-200		05/20/24	05/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2420198	
Chloride	182	20.0	1	05/18/24	05/20/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2024 4:13:35PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421005-BLK1)

Prepared: 05/19/24 Analyzed: 05/19/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.93		8.00		86.6	70-130			

LCS (2421005-BS1)

Prepared: 05/19/24 Analyzed: 05/19/24

Benzene	5.17	0.0250	5.00		103	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.8	70-130			

LCS Dup (2421005-BSD1)

Prepared: 05/19/24 Analyzed: 05/19/24

Benzene	4.81	0.0250	5.00		96.3	70-130	7.12	20	
Ethylbenzene	4.62	0.0250	5.00		92.5	70-130	7.11	20	
Toluene	4.80	0.0250	5.00		96.0	70-130	7.34	20	
o-Xylene	4.72	0.0250	5.00		94.3	70-130	7.08	20	
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130	7.07	20	
Total Xylenes	14.2	0.0250	15.0		94.9	70-130	7.07	20	
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2024 4:13:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421005-BLK1) Prepared: 05/19/24 Analyzed: 05/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.96		8.00		112	70-130			

LCS (2421005-BS2) Prepared: 05/19/24 Analyzed: 05/19/24

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.00		8.00		112	70-130			

LCS Dup (2421005-BSD2) Prepared: 05/19/24 Analyzed: 05/19/24

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.2	70-130	8.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.93		8.00		112	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2024 4:13:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421013-BLK1)					Prepared: 05/20/24 Analyzed: 05/20/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	50-200			

LCS (2421013-BS1)					Prepared: 05/20/24 Analyzed: 05/20/24				
Diesel Range Organics (C10-C28)	309	25.0	250		123	38-132			
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS Dup (2421013-BSD1)					Prepared: 05/20/24 Analyzed: 05/20/24				
Diesel Range Organics (C10-C28)	316	25.0	250		126	38-132	2.27	20	
Surrogate: n-Nonane	57.8		50.0		116	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Jack Sleeper Booster Station	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2024 4:13:35PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2420198-BLK1)					Prepared: 05/18/24 Analyzed: 05/20/24				
Chloride	ND	20.0							
LCS (2420198-BS1)					Prepared: 05/18/24 Analyzed: 05/20/24				
Chloride	250	20.0	250		100	90-110			
LCS Dup (2420198-BSD1)					Prepared: 05/18/24 Analyzed: 05/20/24				
Chloride	251	20.0	250		101	90-110	0.453	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:	Jack Sleeper Booster Station	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/24 16:13

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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





## Chain of Custody

Page 1 of 1

Client Information					Invoice Information			Lab Use Only				TAT				State			
Client: <u>Matador</u>					Company: <u>Ensolum</u>			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Jack Slooper Booster Station</u>					Address: <u>On file</u>			<u>E405251</u>		<u>23003-0004X</u>						<u>X</u>			
Project Manager: <u>Ashley Giovenco</u>					City, State, Zip:														
Address:					Phone:														
City, State, Zip: <u>Carlsbad NM</u>					Email:														
Phone: <u>575 988 0055</u>					Miscellaneous:														
Email: <u>agiovenco@ensolum.com</u>																			
Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		SDWA	CWA	RCRA	
1228	5/17/24	Soil	1	FS 34-3'		1													
Additional Instructions: <u>Please cc: Cole, Israel, Chad, and Ashley G.</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Cole Burton</u>																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
<u>CB</u>		5/17/24		1426		<u>CB</u>		5/17/24		1426									
<u>CB</u>		5/17/24		1730		<u>CB</u>		5/20/24		0930									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



envirotech

## Envirotech Analytical Laboratory

Printed: 5/20/2024 1:21:02PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/20/24 09:30	Work Order ID:	E405251
Phone:	(972) 371-5200	Date Logged In:	05/17/24 18:18	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	05/20/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## APPENDIX E

### Email Correspondence

---

**From:** [Jason Touchet](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [Clinton Talley](#)  
**Subject:** FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 337794, Jack Sleeper  
**Date:** Thursday, April 25, 2024 4:11:31 PM

---

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

**\*\*EXTERNAL EMAIL\*\***

To whom it may concern (c/o Jason Touchet for Longwood Midstream Delaware, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 04/29/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**\*\*EXTERNAL EMAIL\*\***

To whom it may concern (c/o Jason Touchet for Longwood Midstream Delaware, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 04/30/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

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**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**\*\*EXTERNAL EMAIL\*\***

To whom it may concern (c/o Jason Touchet for Longwood Midstream Delaware, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 05/01/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as

soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Thanks,  
Jason Touchet  
EHS Field Technician  
Matador Resources Company  
Cell: 337-652-3463  
Email: [jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)

intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.



**From:** [Jason Touchet](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [Clinton Talley](#)  
**Subject:** FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 339054 Jim Pat 5/2,5/3, 5/6  
**Date:** Tuesday, April 30, 2024 10:33:55 AM

---

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

\*\*EXTERNAL EMAIL\*\*

To whom it may concern (c/o Jason Touchet for MATADOR PRODUCTION COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 05/02/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

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If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

\*\*EXTERNAL EMAIL\*\*

To whom it may concern (c/o Jason Touchet for MATADOR PRODUCTION COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 05/03/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**\*\*EXTERNAL EMAIL\*\***

To whom it may concern (c/o Jason Touchet for MATADOR PRODUCTION COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 05/06/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the

sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Thanks,  
Jason Touchet  
EHS Field Technician  
Matador Resources Company  
Cell: 337-652-3463  
Email: [jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)

**From:** [Jason Touchet](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [Clinton Talley](#)  
**Subject:** FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 341309 Jack Sleeper/Nova Boaster  
**Date:** Monday, May 6, 2024 2:23:17 PM

---

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

\*\*EXTERNAL EMAIL\*\*

To whom it may concern (c/o Jason Touchet for San Mateo RB Pipeline, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 05/07/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

\*\*EXTERNAL EMAIL\*\*

To whom it may concern (c/o Jason Touchet for San Mateo RB Pipeline, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 05/08/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

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If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**\*\*EXTERNAL EMAIL\*\***

To whom it may concern (c/o Jason Touchet for San Mateo RB Pipeline, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2404348731.

The sampling event is expected to take place:

**When:** 05/09/2024 @ 09:00

**Where:** E-05-23S-28E 0 FNL 0 FEL (32.33595,-104.10489)

**Additional Information:** N/A

**Additional Instructions:** 32.33595, -104.10489

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the

sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Thanks,  
Jason Touchet  
EHS Field Technician  
Matador Resources Company  
Cell: 337-652-3463  
Email: [jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)

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the sender (only) and promptly delete the message.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 332009

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 332009
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/15/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 332009

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 332009
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	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.	4/10/2024

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 334451

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334451
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/22/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595 -104.10489

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

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

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

CONDITIONS

Action 334451

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334451
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/17/2024

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

QUESTIONS  
  
Action 334455

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334455
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/23/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595 -104.10489

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District IV**  
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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 334455

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334455
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/17/2024



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

QUESTIONS  
  
Action 334457

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334457
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/24/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595 -104.10489

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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

CONDITIONS  
  
Action 334457

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334457
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/17/2024

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

QUESTIONS  
  
Action 334453

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334453
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/25/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595 -104.10489

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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 334453

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 334453
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/17/2024

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

QUESTIONS  
  
Action 337794

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 337794
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/29/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
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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 337794

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 337794
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/25/2024

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

QUESTIONS

Action 337796

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 337796
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/30/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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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 337796

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 337796
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/25/2024

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

QUESTIONS

Action 337800

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 337800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/01/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District IV**  
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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 337800

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 337800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/25/2024

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

QUESTIONS

Action 339054

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 339054
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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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 339054

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 339054
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/30/2024

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

QUESTIONS  
  
Action 339058

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 339058
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/03/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
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State of New Mexico  
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Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 339058

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 339058
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/30/2024



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1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 339059

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 339059
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

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

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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 339059

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 339059
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/30/2024

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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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 341309

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 341309
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/07/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

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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 341309

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 341309
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/6/2024

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

QUESTIONS  
  
Action 341317

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 341317
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/08/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

CONDITIONS  
  
Action 341317

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 341317
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/6/2024

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

QUESTIONS  
  
Action 341322

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 341322
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/09/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489



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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 341322

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 341322
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/6/2024

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

QUESTIONS  
  
Action 342640

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 342640
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	239,843
What is the estimated number of samples that will be gathered	1,300
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.512234, -104.094084

**District I**  
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1220 S. St Francis Dr., Santa Fe, NM 87505  
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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 342640

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 342640
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/9/2024

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

QUESTIONS  
  
Action 342642

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 342642
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	239,843
What is the estimated number of samples that will be gathered	1,300
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.512234, -104.094084

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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State of New Mexico  
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Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 342642

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 342642
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/9/2024

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

QUESTIONS  
  
Action 342643

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 342643
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	239,843
What is the estimated number of samples that will be gathered	1,300
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.512234, -104.094084

**District I**  
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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 342643

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 342643
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/9/2024



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Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS  
  
Action 344331

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 344331
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,732
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/17/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33595, -104.10489

**District I**  
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**Santa Fe, NM 87505**

CONDITIONS  
  
Action 344331

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 344331
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/14/2024

**From:** [Ashley Giovenco](#)  
**To:** [Wells, Shelly, EMNRD](#)  
**Cc:** [Cole Burton](#)  
**Subject:** RE: [EXTERNAL] RE: NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION  
**Date:** Friday, June 21, 2024 10:23:47 AM  
**Attachments:** [image007.png](#)  
[image008.png](#)  
[image009.png](#)

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Good Morning Shelly,

You are correct, the ground was so soft that the impacted area was removed from beneath the fencing as seen in Photo 1 and then the excavation was advanced from the fence line to the pad as seen in Photo 2. Sidewall soil sample SW09 was collected from around exaction sample FS59 and SW10 was collected from around FS41 and there was no break in the excavation area. I hope this clears up any confusion and I will definitely look at adding samples names to the photos for future reports.

Photo 1

Photo 2





Thanks,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

**Sent:** Thursday, June 20, 2024 2:43 PM

**To:** Ashley Giovengo <agiovengo@ensolum.com>

**Cc:** Cole Burton <cburton@ensolum.com>

**Subject:** RE: [EXTERNAL] RE: NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION

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

Hi Ashley,

Thank you for responding to my questions. So then did SW09 get collected from around FS 59 and SW10 got collected around FS 41? And that means there was no break in the excavation

due to the fence? It really would help OCD reviewers if under your photos you provided captions that state which sample points are seen in the photos.

I look forward to hearing your response,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Wednesday, June 19, 2024 10:02 AM  
**To:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Cc:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>  
**Subject:** [EXTERNAL] RE: NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION

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

Good Morning Shelly,

I apologize and understand the confusion. Floor samples FS59 and FS41 were on the other side of a fence and off-pad so they were originally mapped separately, however they are part of the larger excavation area. In addition, confirmation sidewall samples SW11 and SW12 were collected from the sidewalls surrounding the equipment onsite. Please see the attached report with the updated figures and please feel free to let me know if you have any additional questions.

Thanks,



**Ashley Giovengo**  
Senior Scientist  
575-988-0055  
**Ensolum, LLC**  
**in f X**

“Your authenticity is your superpower.” – Unknown

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**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>



**Sent:** Tuesday, June 18, 2024 3:44 PM  
**To:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Subject:** NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION

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

Hi Ashley,

I am reviewing the deferral request you submitted on behalf of Matador and have questions for you regarding the samples collected to the south. FS59 and FS41 did not have a sidewall sample collected around them. Did you include any portion of the sidewalls in with the floor samples? Also, SW12 looks like it's floating in the middle of the requested area to be deferred as shown in Figure 4...was it collected around the edge of the equipment there?

If you can provide me some answers it would be helpful.

Kind regards,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

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QUESTIONS  
  
Action 351869

QUESTIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 351869
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404348731
Incident Name	NAPP2404348731 JACK SLEEPER/NOVO BOOSTER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Jack Sleeper/NOVO Booster Station
Date Release Discovered	02/11/2024
Surface Owner	Private

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   Pump   Produced Water   Released: 464 BBL   Recovered: 282 BBL   Lost: 182 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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QUESTIONS, Page 2

Action 351869

QUESTIONS (continued)

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID:	330274
	Action Number:	351869
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/07/2024
--	--

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QUESTIONS, Page 3

Action 351869

**QUESTIONS (continued)**

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID:
	330274
	Action Number:
	351869
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 100 and 200 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	8850
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	215
GRO+DRO	(EPA SW-846 Method 8015M)	53.9
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	04/15/2024
On what date will (or did) the final sampling or liner inspection occur	04/15/2024
On what date will (or was) the remediation complete(d)	05/17/2024
What is the estimated surface area (in square feet) that will be reclaimed	1753
What is the estimated volume (in cubic yards) that will be reclaimed	285
What is the estimated surface area (in square feet) that will be remediated	13909
What is the estimated volume (in cubic yards) that will be remediated	1740

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 351869

**QUESTIONS (continued)**

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID:	330274
	Action Number:	351869
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360
(Ex Situ) Excavation and <b>on-site</b> 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: 06/07/2024
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 351869

**QUESTIONS (continued)**

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID:	330274
	Action Number:	351869
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Transfer pumps, containment, piping and electrical panels
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1753
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	285
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-49247 JACK SLEEPER COM 9 16 23S 28E #121H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/07/2024

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QUESTIONS, Page 6  
  
Action 351869

QUESTIONS (continued)

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 351869
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	344331
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/17/2024
What was the (estimated) number of samples that were to be gathered	72
What was the sampling surface area in square feet	13732

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS  
  
Action 351869

CONDITIONS

Operator: Longwood Midstream Delaware, LLC 5400 LBJ Freeway, Ste. 1500 Dallas, TX 75240	OGRID: 330274
	Action Number: 351869
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of FS58, SW11 and SW12 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	6/21/2024