

July 17, 2024

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

Re: Deferral Request Dagger State TB

Incident Number nAPP2401854801

Lea 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 Dagger State TB (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil following a release of crude oil and produced water into a lined containment, onto the well pad and nearby pasture. 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 nAPP2401854801 until the Site is reconstructed and/or the pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit L, Section 30, Township 21 South, Range 33 East, in Lea County, New Mexico (32.4493001°, -103.6162901°) and is associated with oil and gas exploration and production operations on State Land managed by the New Mexico State Land Office (NMSLO).

On January 17, 2024, a gasket on a heater treater failed, which resulted in approximately 40 barrels (bbls) of crude oil and 20 bbls of produced water was released in the separator containment, on to the pad and nearby pasture; 10 bbls of crude oil and 10 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 January 22, 2024, and the release was assigned Incident Number nAPP2401854801.

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 CP-1882 POD1, with a depth to water measurement of greater than 106 feet below ground surface (bgs). The well is located 0.67 miles northeast of the Site. All wells used

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

Matador Production Company Dagger State TB Deferral Request

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 freshwater pond, located approximately 2.1 miles northeast 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 (low 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 January 31, 2024, Ensolum personnel were onsite to map the release extent and conduct a Liner Integrity Inspection. It was determined the liner remains intact and had to the ability to contain the release in question. On March 25, 2024, Ensolum personnel returned to the Site to begin delineation sampling of the release area. Delineation soil samples SS01 through SS08 were collected at the ground surface (0 feet bgs) to verify the lateral extent of the release area. Six borehole samples, BH01 through BH06, were advanced via hand auger to depths ranging from 1-foot to 3 feet 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.

Prior to beginning excavation activities at the Site, an archaeological inspection was conducted by Beaver Creek Archaeology (NMCRIS Activity number: 155049). Due to a lack of cultural findings within 100 feet of the Site, and existing ground disturbance on pad, no additional cultural review was recommended. The project was approved to proceed as planned under the finding that no historical properties would be affected (see Appendix D). The survey determined the release area was negative for cultural properties, and thus, Matador has taken every reasonable effort to follow the Cultural Properties Protections Rule (CPP).

Beginning on May 28 through June 7, 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,



Matador Production Company Dagger State TB Deferral Request

hydro-vacuum truck, and hand tools to depths ranging from the ground surface to 5 feet bgs. Following removal of impacted soil, Ensolum personnel collected 87, 5-point composite soil samples (FS01 through FS87) representing up to 200 square feet from the excavation floor and 3 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. Three sidewall samples (SW01 though SW03) were collected from the edge of the release extent at depths ranging from the ground surface to 5 feet bgs. One borehole (BH06) was advanced within the area of requested deferral. Excavation confirmation floor, sidewall, and borehole soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

A total of approximately 954 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 SS08) 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 FS30, FS33 through FS86) were in compliance with the Closure Criteria for the Site. Confirmation samples FS31, FS32, and FS87 exceeded the Site Closure Criteria for TPH. These sample locations are in the direct vicinity of electrical power poles and supports, limiting further excavation. Vertical delineation in compliance with the strictest Closure Criteria was achieved in BH01 through BH05 at a depth of 1-foot bgs and BH06 at a depth of 2 feet bgs.

Excavation floor confirmation samples (FS04 through FS29 and FS33 through FS86) 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 E. All sampling notifications to NMOCD and additional correspondence is included in Appendix F.

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 1,175 square feet, and assuming a depth of up to 2 feet bgs under the electrical panels and poles based on the analytical results from surrounding confirmation samples and 2 feet bgs in sample area FS32 based on delineation borehole BH06, a total of approximately 87 cubic yards of impacted soil remains in place. Soil in the vicinity of floor confirmation soil samples FS31, FS32, and FS87 are included in this deferment request due to the proximity of electrical line poles and supports 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.



Matador Production Company Dagger State TB Deferral Request

Impacted soil is limited to the area beneath active electrical line poles and supports, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS08 at 0 feet bgs and vertically delineated by borehole samples BH01 through BH05 at 1-foot bgs, and borehole sample BH06 at 2 feet bgs.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 106 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 deferral of final remediation for Incident Number nAPP2401854801 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely, **Ensolum**, **LLC**

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

cc: Clinton Talley, Matador Production Company

New Mexico State Land Office

Appendices:

Figure 1

i igui e i	Olle Neceptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Area of Requested Deferral

Site Recentor Man

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 NMSLO Cultural Resource Cover Sheet

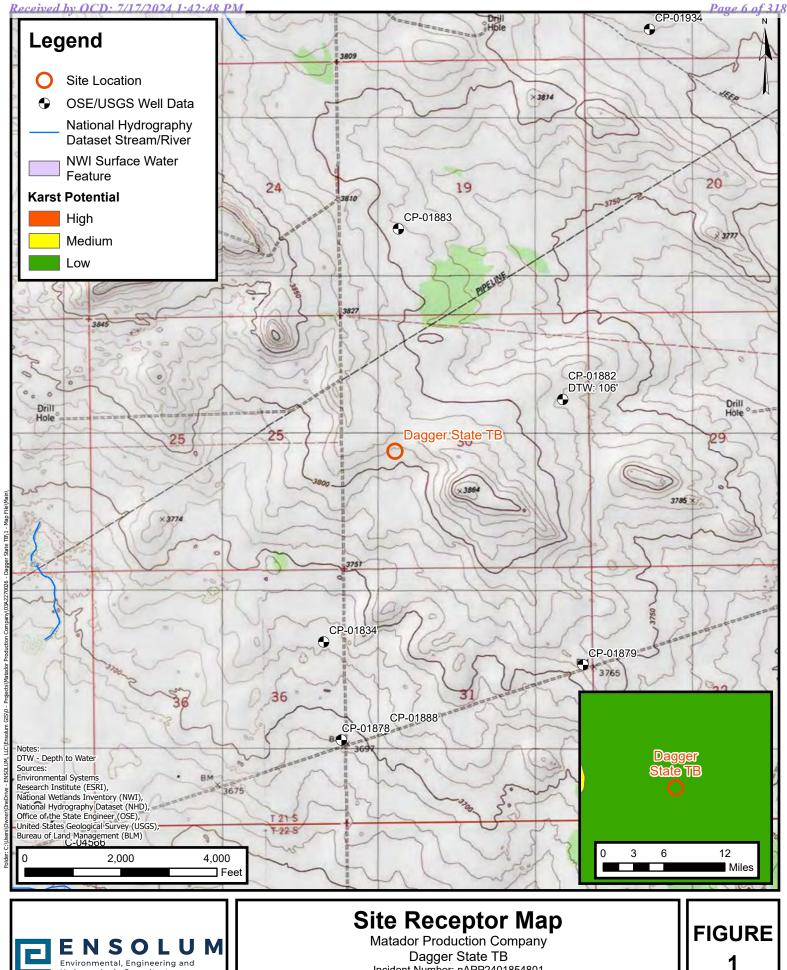
Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix F NMOCD Correspondence





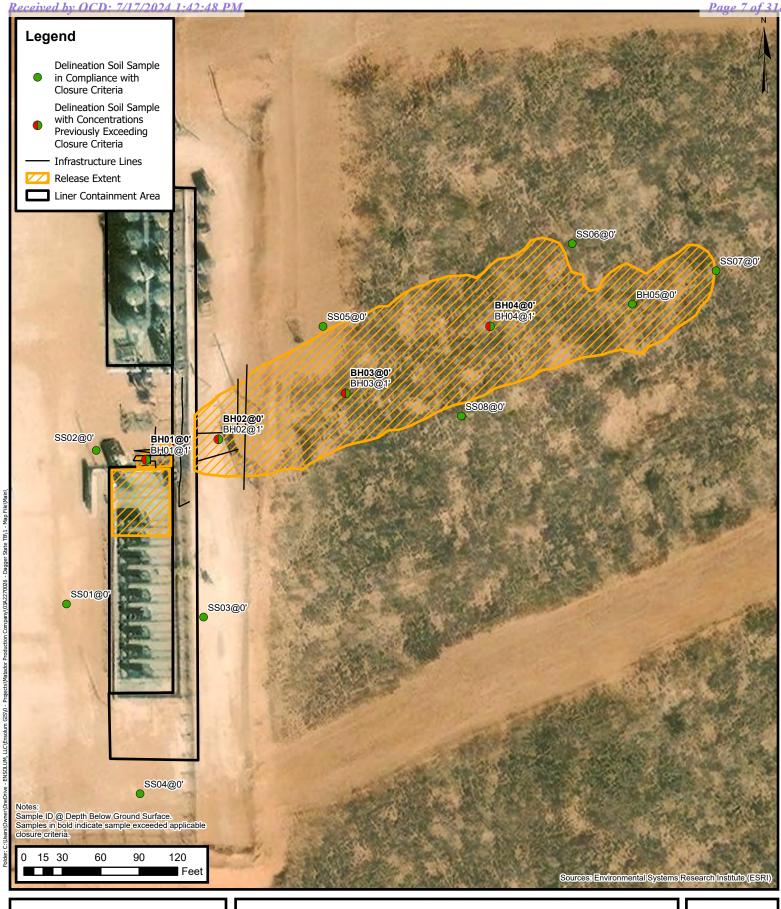
FIGURES





Dagger State TB Incident Number: nAPP2401854801 Unit L, Section 30, T 21S, R 33E Lea County, New Mexico

Released to Imaging: 8/26/2024 8:44:13 AM





Delineation Soil Sample Locations

Matador Production Company
Dagger State TB
Incident Number: nAPP2401854801
Unit L, Section 30, T 21S, R 33E
Lea County, New Mexico

FIGURE 2



Sample ID @ Depth Below Ground Surface

15 30

Confirmation Soil Sample Locations

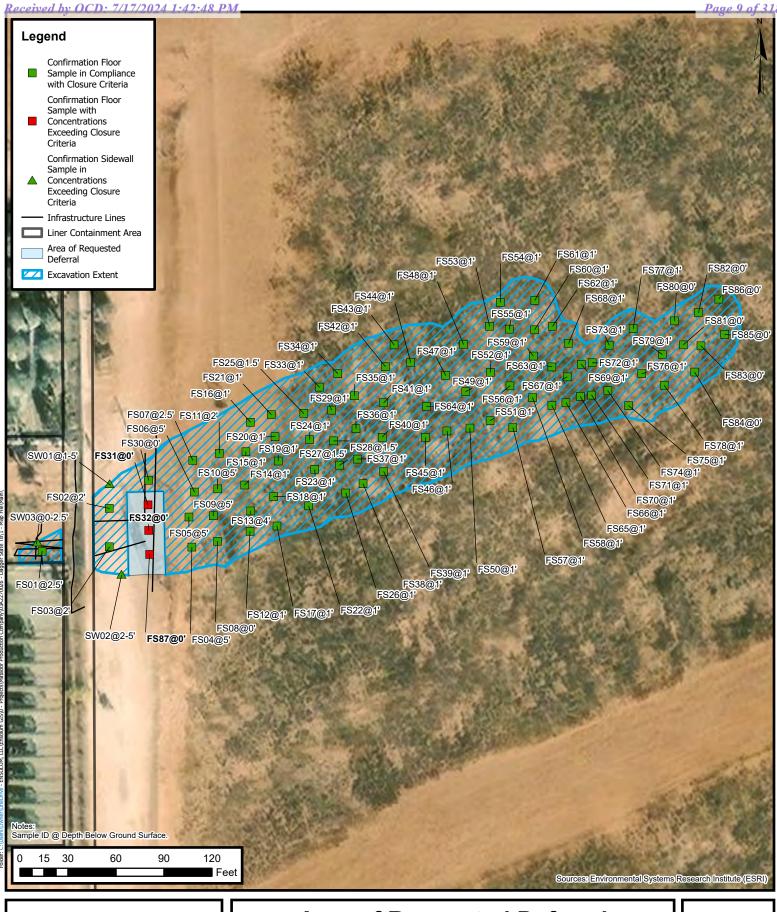
Matador Production Company
Dagger State TB
Incident Number: nAPP2401854801
Unit L, Section 30, T 21S, R 33E
Lea County, New Mexico

FIGURE 3

Sources: Environmental Systems Research Institute (ESRI)

Released to Imaging: 8/26/2024 8:44:13 AM

120 Feet





Area of Requested Deferral

Matador Production Company
Dagger State TB
Incident Number: nAPP2401854801
Unit L, Section 30, T 21S, R 33E
Lea County, New Mexico

FIGURE 4

Released to Imaging: 8/26/2024 8:44:13 AM



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS

Dagger State TB Matador Production Company Lea County, New Mexico

Lea County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	NMOCD Table I Closure Criteria (NMAC 19.15.29)			50	NE	NE	NE	NE	100	600
				Delir	neation Soil San	nples				
SS01	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	383
SS02	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	29.9
SS03	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	319
SS04	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	76.6
SS05	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0
SS06	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0
SS07	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0
SS08	1/31/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0
BH01	3/25/2024	0	< 0.0250	< 0.0250	<20.0	26.3	<50.0	26.3	26.3	2,790
BH01	3/25/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	66.1
BH02	3/25/2024	0	< 0.0250	7.007	117	5,280	1,900	5,397	7,297	2,090
BH02	3/25/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	25.3
BH03	3/25/2024	0	< 0.0250	< 0.0250	<20.0	2,550	1,380	2,550	3,930	406
BH03	3/25/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	21.0
BH04	3/25/2024	0	< 0.0250	< 0.0250	<20.0	130	91.7	130	221.7	67.5
BH04	3/25/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0
BH05	3/25/2024	0	< 0.0250	< 0.0250	<20.0	36.3	<50.0	36.3	36.3	31.4
BH05	3/25/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0
BH06	6/5/2024	0	<0.0250	<0.0250	<20.0	12,400	8,340	12,400	20,740	5,430
BH06	6/5/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0
BH06	6/5/2024	3	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0

Notes:

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey-text represents samples that have been excavated

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

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

[&]quot;<": Laboratory Analytical result is less than reporting limit

GRO: Gasoline Range Organics



TABLE 2 **SOIL SAMPLE ANALYTICAL RESULTS**

Dagger State TB Matador Production Company

	Matador Production Company Lea County, New Mexico											
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
Excavation Floor Soil Samples												
FS01	6/7/2024	2.5	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	277.0		
FS02	6/6/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	52.9		
FS03	6/5/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	28.0		
FS04	6/7/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0		
FS05	6/7/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0		
FS06	6/7/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	88.5		
FS07	6/7/2024	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	76.4		
FS08	6/7/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	139.0		
FS09	6/7/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	128.0		
FS10	6/7/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	49.7		
FS11	6/7/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	107.0		
FS12	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	26.6		
FS13	6/6/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	27.8		
FS14	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	55.3		
FS15	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	38.4		
FS16	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	39.9		
FS17	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0		
FS18	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	97.8		
FS19	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	38.5		
FS20	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	93.5		
FS21	6/6/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	20.0		
FS22	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0		
FS23	6/7/2024	1	<0.0250	<0.0250	<20.0	38.7	<50.0	<20.0	38.7	39.0		
FS24	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	30.4		
FS25	6/10/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	31.5		
FS26	6/7/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0		
FS27	6/10/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	36.0		
FS28	6/10/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0		
FS29	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	50.8		
FS30	6/21/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	264.0		
FS31	6/21/2024	0	<0.0250	<0.0250	<20.0	306.0	118.0	306.0	424.0	589.0		
FS32	6/21/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,100		



TABLE 2 **SOIL SAMPLE ANALYTICAL RESULTS**

Dagger State TB Matador Production Company

					County, New Me					
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
Excavation Floor Soil Samples										
FS33	6/5/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	28.1
FS34	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	30.8
FS35	6/5/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.9
FS36	6/4/2024	1	<0.0250	<0.0250	<20.0	25.7	50.6	25.7	76.3	31.9
FS37	6/5/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS38	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS39	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	25.6
FS40	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS41	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.2
FS42	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS43	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS44	6/4/2024	1	<0.0250	<0.0250	<20.0	39.0	54.5	39.0	93.5	47.4
FS45	6/5/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	37.8
FS46	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.2
FS47	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS48	6/5/2024	1	< 0.0250	<0.0250	<20.0	38.0	60.6	38.0	98.6	43.8
FS49	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS50	6/4/2024	1	< 0.0250	<0.0250	<20.0	28.4	<50.0	28.4	28.4	33.3
FS51	6/4/2024	1	<0.0250	<0.0250	<20.0	29.5	<50.0	29.5	29.5	35.4
FS52	6/4/2024	1	<0.0250	<0.0250	<20.0	27.9	<50.0	27.9	27.9	20.9
FS53	6/4/2024	1	0.0	0.1	<20.0	<25.0	<50.0	<20.0	<20.0	42.7
FS54	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS55	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS56	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	41.5
FS57	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	29.7
FS58	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS59	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	34.4
FS60	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS61	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS62	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS63	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS64	6/6/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	28.2



TABLE 2 **SOIL SAMPLE ANALYTICAL RESULTS**

Dagger State TB Matador Production Company Lea County, New Mexico

				Lou	County, New Me	AIOO					
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	NMOCD Table I Closure Criteria (NMAC 19.15.29)			50	NE	NE	NE	NE	100	600	
Excavation Floor Soil Samples											
FS65	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS66	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS67	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS68	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS69	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.7	
FS70	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	20.1	
FS71	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0 <20.0	
FS72	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0		
FS73	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS74	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS75	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS76	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS77	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS78	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS79	6/4/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS80	6/3/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS81	6/3/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS82	6/3/2024	0	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS83	6/3/2024	0	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS84	6/3/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS85	6/3/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS86	6/3/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0	
FS87	6/21/2024	0	< 0.0250	0.206	<20.0	2,740	709	2,740	3,449	1,230	

Notes:

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey-text represents samples that have been excavated

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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



TABLE 3

SOIL SAMPLE ANALYTICAL RESULTS

Dagger State TB
Matador Production Company
Lea County, New Mexico

	Lea County, New Mexico													
l Date l		Date Depth (feet bgs)		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	SW01 6/7/2024 1-5		<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	75.4				
SW02	SW02 6/7/2024 2-5		<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	84.8				
SW03 6/7/2024 0-2.5		< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	200					

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

[&]quot;<": Laboratory Analytical result is less than reporting limit

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



APPENDIX A

Well Log and Record

PAGE 1 OF 2

WELL TAG ID NO.



Z	OSE POD NO POD1 (T		.)		WELL TAG ID NO. n/a			OSE FILE NO(S CP-1882	S).			
ATIC	WELL OWN			PHONE (OPTIONAL)								
202	Advanced :				832.672.470	0						
GENERAL AND WELL LOCATION	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950							CITY Houston		STATE TX	77077	ZIP
Ď.	WELL		DE	GREES	MINUTES	SECOND	S	<u> </u>				
VL A			TITUDE	32	32 27 7.70 _N				REQUIRED: ONE TENT	TH OF A S	ECOND	
NER.	(FROM GP	S) LO	NGITUDE	103 36 17.7 V				DATUM REC	QUIRED: WGS 84			
1. GE	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE SE SE NE Sec. 30 T21S R33E											
	LICENSE NO. NAME OF LICENSED DRILLER 1249 NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.											
	DRILLING S		DRILLING ENDED		MPLETED WELL (FT) E	ORE HO	LE DEPTH (FT)	DEPTH WATER FIRS			
	10/06/	2021	10/07/2021	temporary well material 106						n/a		
N.	COMPLETE	O WELL IS:	ARTESIAN	DRY HO	DRY HOLE SHALLOW (UNCONFINED)				STATIC WATER LEV	EL IN COI n/a	MPLETED WE	LL (FT)
ATIO	DRILLING FI	LUID:	AIR	☐ MUD	ADDITIVE	ES – SPECIF	Y:					
ORM	DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Hollow Stem Auger											
INF		(feet bgl)	BORE HOLE	CASING	MATERIAL AND	/OR		ASING	CASING	1	NG WALL	SLOT
CASING INFORMATION	FROM TO DIAM (inches)			(include each casing string, and			Т	NECTION TYPE ling diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)		SIZE (inches)
⟨¢ C/	0	0 106 ±6.5		Boring- HSA			,			-		
DRILLING &		, .										
RILI												
2. D											**	
										<u> </u>		
					<u></u>				<u> </u>	U 2 20	171 and	7
		(0.15.5)		<u> </u>						<u> </u>		
¥.	FROM	(feet bgl)	BORE HOLE DIAM. (inches)		ST ANNULAR SE VEL PACK SIZE-				AMOUNT (cubic feet)		METHO: PLACEM	
TERL											<u> </u>	
MAT												
LAR		,						*****				
ANNULAR MATERIAL												
3. A												
				<u></u>								
FOR	OSE INTER	DALUSE	1862		POD NO	<u> </u>	-	WR-2	0 WELL RECORD	& LOGO	Version 06/3	0/17)

LOCATION

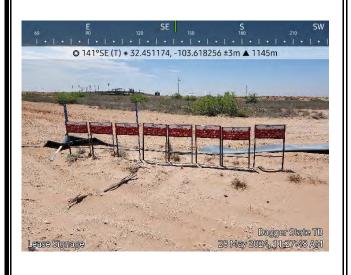
								1			
	DEPTH (PTH (feet bgl) COLOR AND TYPE OF MATERIAL ENCOUNTERED -								ΓER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		R-BEARING CAVITIES OI plemental sheets to fully de			S	BEAR (YES		WATER- BEARING ZONES (gpm)
	0	9	9	San	nd, Fine-grained, poorly grad	led, Red			Y	✓ N	(Cr)
	9	19	10	Calic	he, with fine-grained sand, V	White/Tan			Y	√N	·····
	19	69	50	Sand, F	Y	√N					
	69	79	10	Sand, Fine-gra		Y	√ N				
	79	9 106 27 Clay, Stiff, consolidated, with fine-grained sand, Reddish Brown								✓ N	
ָר <u> </u>											
4. HYDROGEOLOGIC LOG OF WELL										N	
OF.									Y	N	
90									Y	N	
IC I									Y	N	
507								-	Y	N	
EOI									Y	N	
ROG									Y	N	
IXD									Y	N	
4.1									Y	N	
					· · · · · · · · · · · · · · · · · · ·				Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING	STRATA:		·	тот	AL ESTIN	AATED	
	PUM	P A	IR LIFT	BAILER OT	HER - SPECIFY:			WEI	L YIELD	(gpm):	0.00
NC	WELL TES	T TEST	RESULTS - ATT T TIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING VIOWING DISCHARGE AN	WELL TE D DRAW	STING, INC	CLUDI ER TH	NG DISC E TESTIN	HARGE I	METHOD, DD.
VISION	MISCELLA	NEOUS INI	ORMATION: _		1 1 1 4 11 h		-1-C11 - 4i-		1	. C	tal danth to ton
TEST; RIG SUPER			fe	emporary well materia et below ground surfa	als removed and the soil b	oring bac te chips i	from ten fe	ng aru et belo	u cumngs w ground	i rom to i surface	tal depth to ten to surface.
SU				_	•	-					
RIG							,	JSE ()II WOU	2 202	LAM9.117
EST;	DD INIT NAA	Æ(S) OF D	DILL DIC CLIDE	OVICOD(C) THAT DDO	VIDED ONSITE SUPERVIS	SION OF	WELL CON	CTDI	CTION O	THED T	IAN I ICENSEE
S. T.		` ,	elo Trevino, Car	• •	VIDED ORSITE SOLER VI	SION OF	WELL CON	BIRO	CHONO	IIIEK II	IAN LICENOLL.
	Shane Eldn	uge, Canne	no rievino, Car	ncion fluid			<u></u>				
					EST OF HIS OR HER KNO						
URE					D THAT HE OR SHE WIL PLETION OF WELL DRILI		HIS WELL	KECOI	W WITH	THE ST	ATE ENGINEER
 AT	_										
SIGNATURE	Jack At	eins		Jac	ckie D. Atkins				10/2	8/2021	
9	ľ	SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE I	NAME					DATE	
	<u> </u>										
	R OSE INTER	NAL USE			BOD NO		WR-20 WE TRN NO.	LL RE	CORD &	LOG (Ve	rsion 06/30/2017)
	E NO. CATION				POD NO.						PAGE 2 OF 2
1 20	CATION					WELL I	rag id no.				1



APPENDIX B

Photographic Log







Photograph 1 Date: 5/28/2024 Photograph 2 Date: 1/31/2024

Description: Lease Signage Description: Inside Containment

View: Southeast View: North





Photograph 3 Date: 1/31/2024 Photograph 4 Date: 1/31/2024

Description: Spray area, off-pad Description: Spray area, off-pad

View: East View: West







Photograph 5 Date: 1/31/2024

Description: View of Containment

View: East

Photograph 6 Date: 3/25/2024

Description: Vertical Delineation

View: Southwest





Photograph 7 Date: 3/25/2024 Photograph 8 Date: 3/25/2024

Description: Vertical Delineation Description: Vertical Delineation

View: Southwest View: Southwest





Date: 5/28/2024



Photograph 9

Description: Release Area

View: East

Photograph 10

Description: Hydrovac

Date: 5/28/2024

View: East





Photograph 11

Description: Hydrovac

View: South

Date: 5/29/2024 Photograph 12

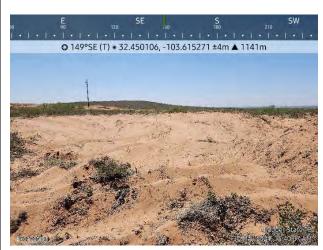
Description: Hydrovac

View: East

Date: 5/29/2024







Photograph 13 Date: 5/30/2024 Photograph 14 Date: 5/30/2024

Description: Excavation D

View: Southeast

Description: Excavation Area
View: Southeast





Photograph 15 Date: 5/31/2024 Photograph 16 Date: 6/3/2024

Description: Excavation

View: East

Description: Excavation

View: Southeast







Photograph 17

Description: Excavation Area

View: East

Photograph 18

Description: Exacavtion

Date: 6/4/2024

View: South





Photograph 19

Date: 6/5/2024

Date: 6/3/2024

Photograph 20

Date: 6/5/2024

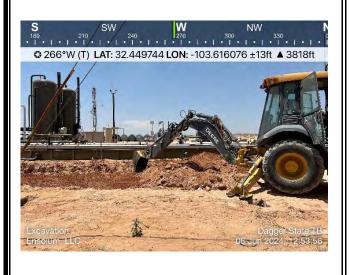
Description: Vertical Delineation

View: West

Description: Excavation Area

View: Southwest







Photograph 21 Description: Excavation

Photograph 22

Date: 6/6/2024

Date: 6/7/2024

Description: Exacavtion Area

View: South

View: West





Photograph 23

Description: Excavation

View: East

Photograph 24

Description: Deferral Area

View: South

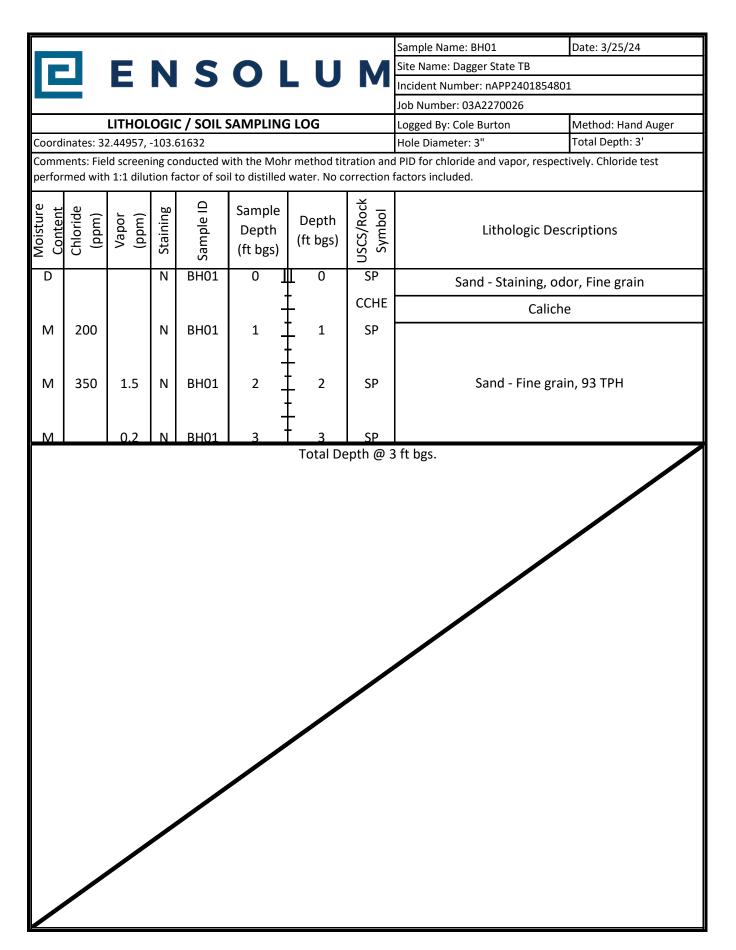
Date: 6/21/2024

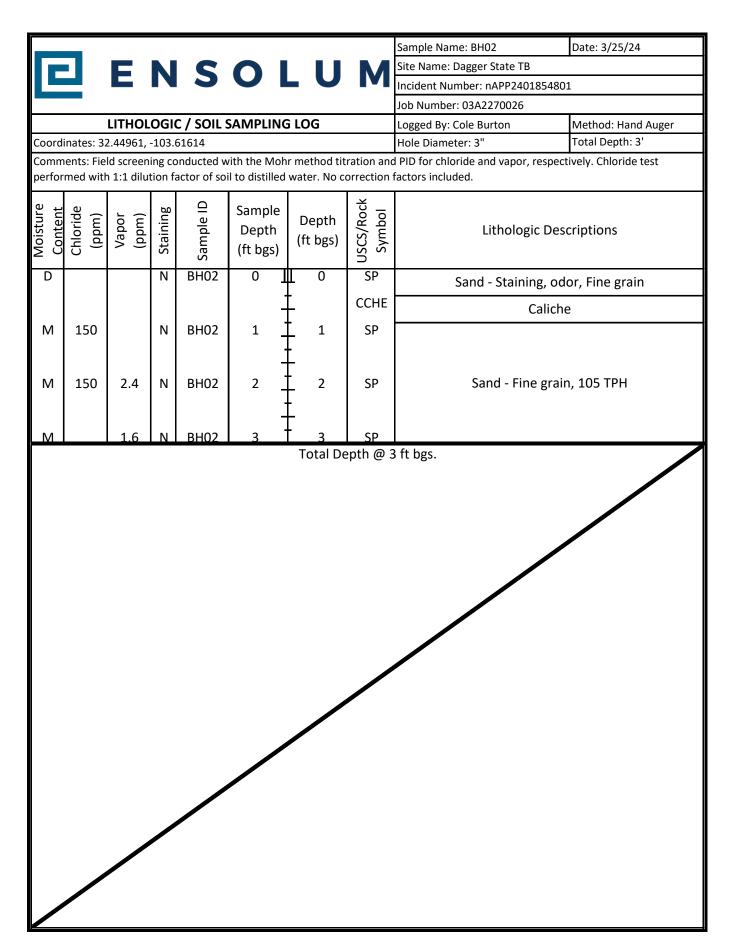
Date: 6/7/2024

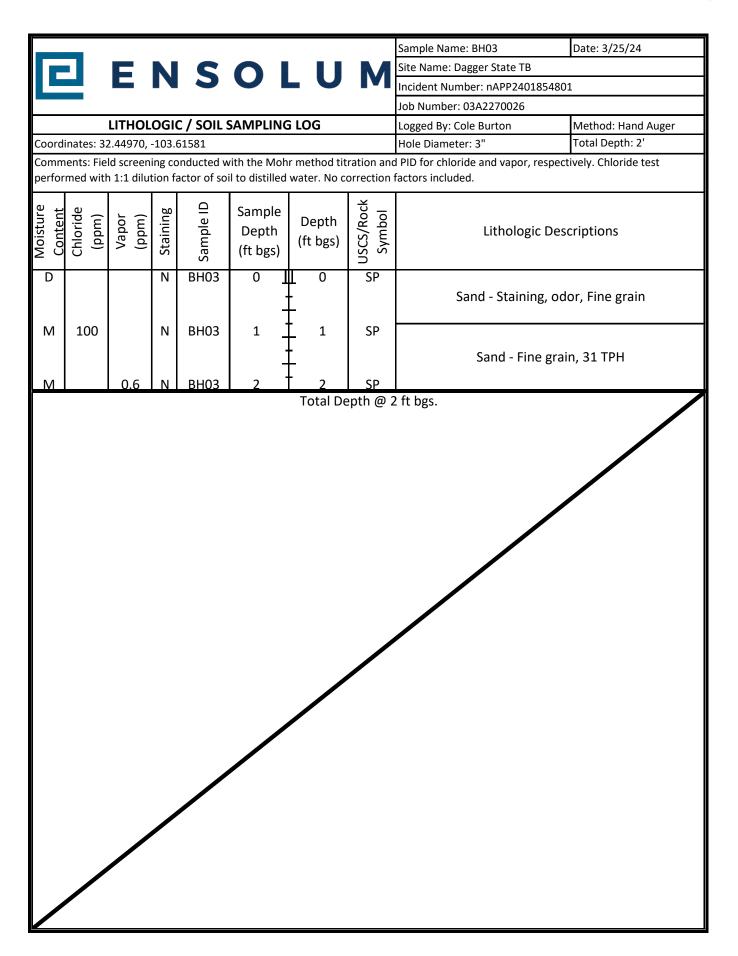


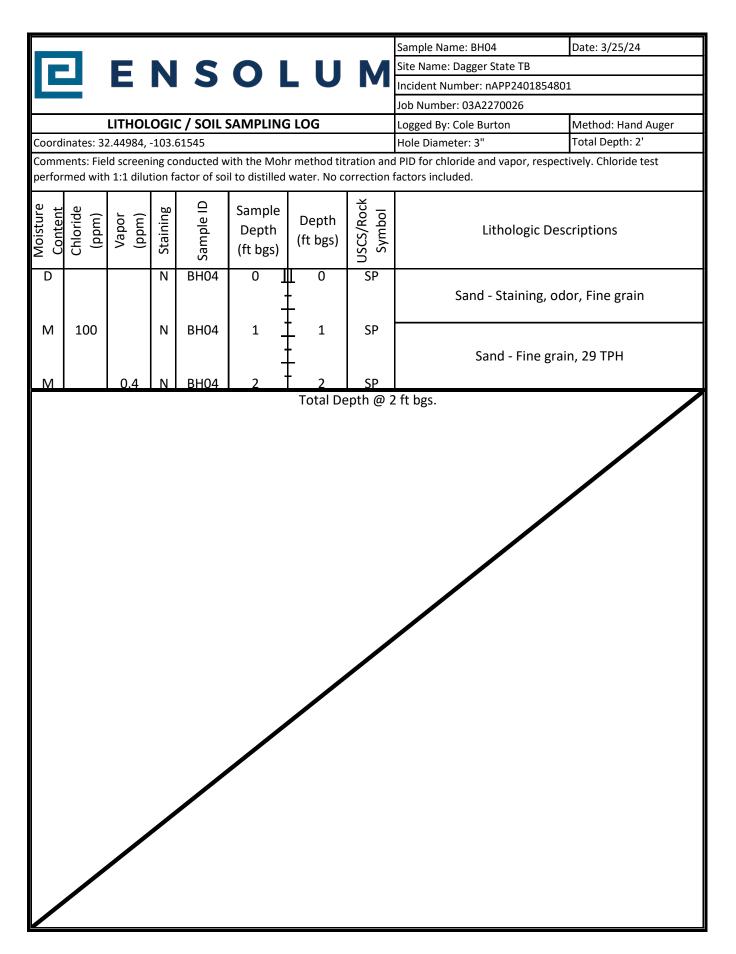
APPENDIX C

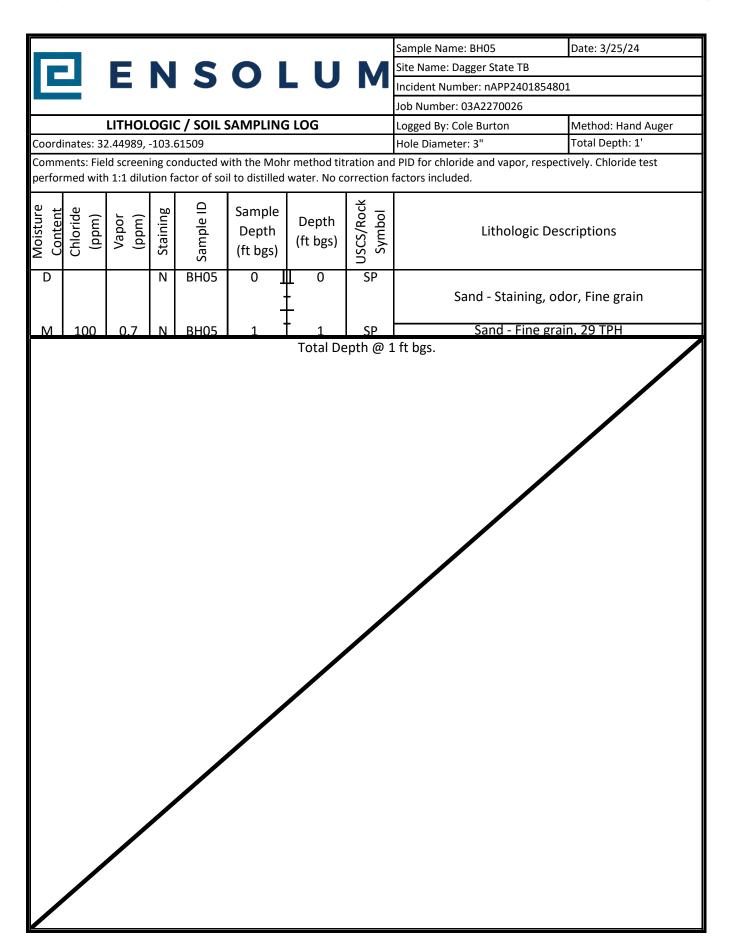
Lithologic Soil Sampling Logs

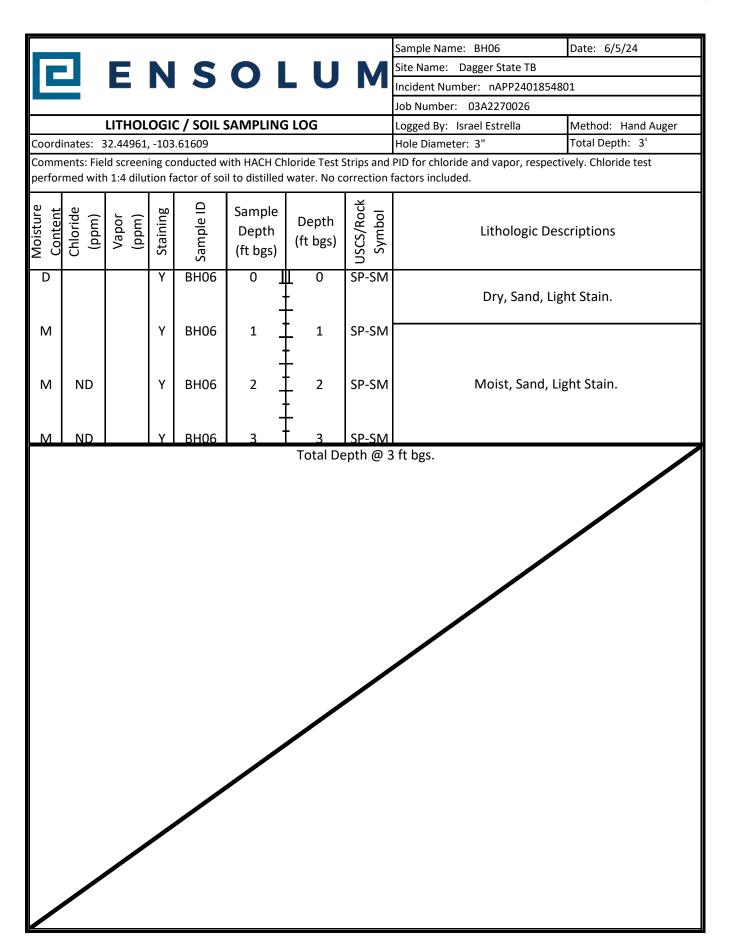














APPENDIX D

NMSLO Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number: 155049 (if applicable) Exhibit Type (select one) **ARMS Inspection/Review** - Summarize the results (select one): (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area. (B) The entire area of potential effect or project area has been previously surveyed to current standards and cultural properties were found within the survey area. (C) The entire area of potential effect or project area has **not** been previously surveyed or has not been surveyed to current standards. A complete archaeological survey will be conducted and submitted for review. Archaeological Survey **Findings:** ✓ Negative - No further archaeological review is required. **Positive** - Have avoidance and protection measures been devised? Select one: **Comments: Project Details:** NMSLO Lease Number (if available): Cultural Resources Consultant: Resi Solutions Project Proponent (Applicant): Matador Production Company Project Title/Description: Dagger State **Project Location:** Lea County County(ies): PLSS/Section/Township/Range): Sec. 30 T21S R33E For NMSLO Agency Use Only: NMSLO Lease Number: Acknowledgment-Only: Lease Analyst: Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E402027

Job Number: 23052-0001

Received: 2/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/7/24

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

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

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

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

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

Date Reported: 2/7/24

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

Project Name: Dagger State TB

Workorder: E402027

Date Received: 2/2/2024 6:10:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2024 6:10:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: 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
SS06 - 0'	10
SS07 - 0'	11
SS08 - 0'	12
QC Summary Data	13
QC - Volatile Organic Compounds by EPA 8260B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/07/24 14:33

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
SS01 - 0'	E402027-01A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
SS02 - 0'	E402027-02A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
SS03 - 0'	E402027-03A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
SS04 - 0'	E402027-04A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
SS05 - 0'	E402027-05A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
SS06 - 0'	E402027-06A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
SS07 - 0'	E402027-07A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.
SS08 - 0'	E402027-08A	Soil	01/31/24	02/02/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS01 - 0' E402027-01

		1102027 01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyce	Result	Liiiit	Dii			Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RAS		Batch: 2405151
Benzene	ND	0.0250		1	02/02/24	02/03/24	
Ethylbenzene	ND	0.0250		1	02/02/24	02/03/24	
Toluene	ND	0.0250		1	02/02/24	02/03/24	
o-Xylene	ND	0.0250		1	02/02/24	02/03/24	
p,m-Xylene	ND	0.0500		1	02/02/24	02/03/24	
Total Xylenes	ND	0.0250		1	02/02/24	02/03/24	
Surrogate: Bromofluorobenzene		126 %	70-130		02/02/24	02/03/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		02/02/24	02/03/24	
Surrogate: Toluene-d8		113 %	70-130		02/02/24	02/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RAS		Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/02/24	02/03/24	
Surrogate: Bromofluorobenzene		126 %	70-130		02/02/24	02/03/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		02/02/24	02/03/24	
Surrogate: Toluene-d8		113 %	70-130		02/02/24	02/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2406033
Diesel Range Organics (C10-C28)	ND	25.0		1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/06/24	02/06/24	
Surrogate: n-Nonane		111 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2406002
Chloride	383	20.0	·	1	02/04/24	02/05/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS02 - 0' E402027-02

		E402027-02					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
1 mary c						7 mary 200	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2405151
Benzene	ND	0.0250	1	l	02/02/24	02/03/24	
Ethylbenzene	ND	0.0250	1	l	02/02/24	02/03/24	
Toluene	ND	0.0250	1	1	02/02/24	02/03/24	
o-Xylene	ND	0.0250	1	1	02/02/24	02/03/24	
p,m-Xylene	ND	0.0500	1	1	02/02/24	02/03/24	
Total Xylenes	ND	0.0250	1	1	02/02/24	02/03/24	
Surrogate: Bromofluorobenzene		122 %	70-130		02/02/24	02/03/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		02/02/24	02/03/24	
Surrogate: Toluene-d8		113 %	70-130		02/02/24	02/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	02/02/24	02/03/24	
Surrogate: Bromofluorobenzene		122 %	70-130		02/02/24	02/03/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		02/02/24	02/03/24	
Surrogate: Toluene-d8		113 %	70-130		02/02/24	02/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406033
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/06/24	02/06/24	
Surrogate: n-Nonane		108 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406002
Chloride	29.9	20.0	1	1	02/04/24	02/05/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS03 - 0'

		E402027-03					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2405151
Benzene	ND	0.0250		1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	į	1	02/02/24	02/04/24	
Toluene	ND	0.0250	į	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	į	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500		1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250		1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		121 %	70-130		02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		02/02/24	02/04/24	
Surrogate: Toluene-d8		110 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		121 %	70-130		02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		02/02/24	02/04/24	
Surrogate: Toluene-d8		110 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406033
Diesel Range Organics (C10-C28)	ND	25.0		1	02/06/24	02/06/24	-
Oil Range Organics (C28-C36)	ND	50.0		1	02/06/24	02/06/24	
Surrogate: n-Nonane		110 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406002
Chloride	319	20.0		1	02/04/24	02/05/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS04 - 0'

		E402027-04				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
o-Xylene	ND	0.0250	1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		119 %	70-130	02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/02/24	02/04/24	
Surrogate: Toluene-d8		111 %	70-130	02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		119 %	70-130	02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/02/24	02/04/24	
Surrogate: Toluene-d8		111 %	70-130	02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2406033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane		112 %	50-200	02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2406002
Chloride	76.6	20.0	1	02/04/24	02/05/24	·



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS05 - 0' E402027-05

		E402027-03					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilu	HOII	1 repareu	Allalyzed	INUIES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2405151
Benzene	ND	0.0250	1		02/02/24	02/03/24	
Ethylbenzene	ND	0.0250	1		02/02/24	02/03/24	
Toluene	ND	0.0250	1		02/02/24	02/03/24	
o-Xylene	ND	0.0250	1		02/02/24	02/03/24	
p,m-Xylene	ND	0.0500	1		02/02/24	02/03/24	
Total Xylenes	ND	0.0250	1		02/02/24	02/03/24	
Surrogate: Bromofluorobenzene		123 %	70-130		02/02/24	02/03/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		02/02/24	02/03/24	
Surrogate: Toluene-d8		110 %	70-130		02/02/24	02/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	RAS		Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/02/24	02/03/24	
Surrogate: Bromofluorobenzene		123 %	70-130		02/02/24	02/03/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		02/02/24	02/03/24	
Surrogate: Toluene-d8		110 %	70-130		02/02/24	02/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 1	KM		Batch: 2406033
Diesel Range Organics (C10-C28)	ND	25.0	1		02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	02/06/24	02/06/24	
Surrogate: n-Nonane		111 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	_	Analyst: 1	IY		Batch: 2406002
Chloride	ND	20.0	1		02/04/24	02/05/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS06 - 0' E402027-06

		E402027-00					
Analyte	Result	Reporting Limit	Dib	ution	Prepared	Analyzed	Notes
Allalyte	Result	Lillit	Dili	ution	Trepared	Allalyzed	rotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2405151
Benzene	ND	0.0250		1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250		1	02/02/24	02/04/24	
Toluene	ND	0.0250		1	02/02/24	02/04/24	
o-Xylene	ND	0.0250		1	02/02/24	02/04/24	
p,m-Xylene	ND	0.0500		1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250		1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		121 %	70-130		02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		02/02/24	02/04/24	
Surrogate: Toluene-d8		111 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2405151
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		121 %	70-130		02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		02/02/24	02/04/24	
Surrogate: Toluene-d8		111 %	70-130		02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406033
Diesel Range Organics (C10-C28)	ND	25.0		1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/06/24	02/06/24	
Surrogate: n-Nonane		112 %	50-200		02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406002
Chloride	ND	20.0	_	1	02/04/24	02/05/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS07 - 0' E402027-07

Result			ion Prenared	Analyzed	Notes
Result	Limit	Diluti	ion Trepared	Anaryzeu	Notes
mg/kg	mg/kg mg/kg Analyst: RAS			Batch: 2405151	
ND	0.0250	1	02/02/24	02/04/24	
ND	0.0250	1	02/02/24	02/04/24	
ND	0.0250	1	02/02/24	02/04/24	
ND	0.0250	1	02/02/24	02/04/24	
ND	0.0500	1	02/02/24	02/04/24	
ND	0.0250	1	02/02/24	02/04/24	
	123 %	70-130	02/02/24	02/04/24	
	96.8 %	70-130	02/02/24	02/04/24	
	111 %	70-130	02/02/24	02/04/24	
mg/kg	mg/kg	A	analyst: RAS		Batch: 2405151
ND	20.0	1	02/02/24	02/04/24	
	123 %	70-130	02/02/24	02/04/24	
	96.8 %	70-130	02/02/24	02/04/24	
	111 %	70-130	02/02/24	02/04/24	
mg/kg	mg/kg	A	analyst: KM		Batch: 2406033
ND	25.0	1	02/06/24	02/06/24	-
ND	50.0	1	02/06/24	02/06/24	
	115 %	50-200	02/06/24	02/06/24	
mg/kg	mg/kg	A	analyst: IY		Batch: 2406002
ND	20.0	1	02/04/24	02/05/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 I123 % 96.8 % III % mg/kg ND 20.0 I23 % 96.8 % III % mg/kg ND 25.0 ND 50.0 I15 % mg/kg mg/kg mg/kg	mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 123 % 70-130 70-130 mg/kg mg/kg A ND 20.0 1 123 % 70-130 A 96.8 % 70-130 A 111 % 70-130 A mg/kg mg/kg A ND 25.0 1 ND 50.0 1 115 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RAS ND 0.0250 1 02/02/24 ND 0.0250 1 02/02/24 ND 0.0250 1 02/02/24 ND 0.0250 1 02/02/24 ND 0.0500 1 02/02/24 ND 0.0250 1 02/02/24 ND 0.0250 1 02/02/24 96.8 % 70-130 02/02/24 96.8 % 70-130 02/02/24 111 % 70-130 02/02/24 123 % 70-130 02/02/24 111 % 70-130 02/02/24 111 % 70-130 02/02/24 111 % 70-130 02/02/24 mg/kg mg/kg Analyst: KM ND 25.0 1 02/06/24 ND 50.0 1 02/06/24 ND 50.0 1 02/06/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS ND 0.0250 1 02/02/24 02/04/24 ND 0.0500 1 02/02/24 02/04/24 ND 0.0250 1 02/02/24 02/04/24 ND 0.0250 1 02/02/24 02/04/24 ND 0.0250 1 02/02/24 02/04/24 96.8 % 70-130 02/02/24 02/04/24 96.8 % 70-130 02/02/24 02/04/24 mg/kg mg/kg Analyst: RAS ND 20.0 1 02/02/24 02/04/24 96.8 % 70-130 02/02/24 02/04/24 111 % 70-130 02/02/24 02/04/24 mg/kg



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

SS08 - 0' E402027-08

		E402027-08				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2405151
Benzene	ND	0.0250	1	02/02/24	02/04/24	
Ethylbenzene	ND	0.0250	1	02/02/24	02/04/24	
Toluene	ND	0.0250	1	02/02/24	02/04/24	
-Xylene	ND	0.0250	1	02/02/24	02/04/24	
o,m-Xylene	ND	0.0500	1	02/02/24	02/04/24	
Total Xylenes	ND	0.0250	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		120 %	70-130	02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	02/02/24	02/04/24	
Surrogate: Toluene-d8		110 %	70-130	02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	g mg/kg Analyst: RAS			Batch: 2405151	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/24	02/04/24	
Surrogate: Bromofluorobenzene		120 %	70-130	02/02/24	02/04/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	02/02/24	02/04/24	
Surrogate: Toluene-d8		110 %	70-130	02/02/24	02/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2406033
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/24	02/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/24	02/06/24	
Surrogate: n-Nonane		115 %	50-200	02/06/24	02/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2406002
Chloride	ND	20.0	1	02/04/24	02/05/24	



Matador Resources, LLC.
Project Name: Dagger State TB
5400 LBJ Freeway, Suite 1500
Project Number: 23052-0001
Dallas TX, 75240
Project Manager: Ashley Giovengo

Volatile Organic Compounds by EPA 8260B

Apalyst: RAS

	V	olatile Organ	ic Compo	unds by El	PA 82601	В		A	analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2405151-BLK1)							Prepared: 02	2/02/24 Analy	zed: 02/03/24
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	0.614		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			
LCS (2405151-BS1)							Prepared: 02	2/02/24 Analy	zed: 02/03/24
Benzene	2.66	0.0250	2.50		106	70-130	-		
Ethylbenzene	2.94	0.0250	2.50		118	70-130			
Toluene	2.91	0.0250	2.50		116	70-130			
o-Xylene	2.90	0.0250	2.50		116	70-130			
p,m-Xylene	5.91	0.0500	5.00		118	70-130			
Total Xylenes	8.81	0.0250	7.50		117	70-130			
Surrogate: Bromofluorobenzene	0.629	******	0.500		126	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.578		0.500		116	70-130			
Matrix Spike (2405151-MS1)				Source:	E402027-	05	Prepared: 02	2/02/24 Analy	zed: 02/03/24
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135			
Toluene	2.67	0.0250	2.50	ND	107	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.63	0.0500	5.00	ND	113	43-135			
Total Xylenes	8.43	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.626		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.560		0.500		112	70-130			
Matrix Spike Dup (2405151-MSD1)				Source:	E402027-	05	Prepared: 02	2/02/24 Analy	zed: 02/05/24
Benzene	2.88	0.0250	2.50	ND	115	48-131	9.06	23	
Ethylbenzene	2.95	0.0250	2.50	ND	118	45-135	7.41	27	
Toluene	2.88	0.0250	2.50	ND	115	48-130	7.80	24	
o-Xylene	2.98	0.0250	2.50	ND	119	43-135	5.99	27	
p,m-Xylene	5.99	0.0500	5.00	ND	120	43-135	6.27	27	
Total Xylenes	8.97	0.0250	7.50	ND	120	43-135	6.18	27	
Surrogate: Bromofluorobenzene	0.632		0.500		126	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			



0.500

113

70-130

0.566

Surrogate: Toluene-d8

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo2/7/2024 2:33:12PM

Nonhalogenated Organics by	y EPA 8015D - GRO
----------------------------	-------------------

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2405151-BLK1)						I	Prepared: 0	2/02/24 Analy	yzed: 02/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.614		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			
LCS (2405151-BS2)						I	Prepared: 0	2/02/24 Analy	yzed: 02/05/24
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.621		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.566		0.500		113	70-130			

Matrix Spike (2405151-MS2)				Source: E402027-05			Prepared: 02/02/24 Analyzed: 02/03/24
Gasoline Range Organics (C6-C10)	62.0	20.0	50.0	ND	124	70-130	
Surrogate: Bromofluorobenzene	0.621		0.500		124	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130	
Surrogate: Toluene-d8	0.562		0.500		112	70-130	

Matrix Spike Dup (2405151-MSD2)	Source:	E402027-0	05	Prepared: 02/02/24 Analyzed: 02/03/24				
Gasoline Range Organics (C6-C10)	63.0	20.0	50.0	ND	126	70-130	1.73	20
Surrogate: Bromofluorobenzene	0.627		0.500		125	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130		
Surrogate: Toluene-d8	0.570		0.500		114	70-130		

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

Dullus 171, 732 10		Troject Manage		mey Groveng	,-				
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2406033-BLK1)							Prepared: 0	2/06/24 Anal	yzed: 02/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.8		50.0		116	50-200			
LCS (2406033-BS1)							Prepared: 0	2/06/24 Anal	yzed: 02/06/24
Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			
Matrix Spike (2406033-MS1)				Source:	E402027-	02	Prepared: 0	2/06/24 Anal	yzed: 02/07/24
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			
Matrix Spike Dup (2406033-MSD1)				Source:	E402027-	02	Prepared: 0	2/06/24 Anal	yzed: 02/07/24
Diesel Range Organics (C10-C28)	322	25.0	250	ND	129	38-132	9.54	20	
Surrogate: n-Nonane	61.7		50.0		123	50-200			



Analyst: IY

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger State TB 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2024 2:33:12PM

Anions by EPA 300.0/9056A

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Rlank (2406002-RLK1)						р	renared: 0	2/04/24 Anals	wzed: 02/05/24

Blank (2406002-BLK1)				Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	ND	20.0		
LCS (2406002-BS1)				Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	246	20.0	250	98.6 90-110
LCS Dup (2406002-BSD1)				Prepared: 02/04/24 Analyzed: 02/05/24
Chloride	247	20.0	250	98.6 90-110 0.0560 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: Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number: 23052-0001	Reported:
Dallas TX, 75240	Project Manager: Ashley Giovengo	02/07/24 14:33

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client: 1	Matador Pro	duction (Company		Bill To				La	ab U	se On	ly		TAT EPA P				rogram	
	Dagger State				Attention: Matador Product	tion Company	Lat	WO	#		Job N	Vum	ber	1D 2	2D	3D	Standard	CWA	SDWA
	Manager: As				Address: on file		E	102	027		25	SI	10001				Х		
Address	: 3122 Natio	nal Park	s Hwy		City, State, Zip:						Analy:	sis ar	nd Metho	d					RCRA
City, Sta	te, Zip: Carls	sbad NM	, 88220		Phone: (337)319-8398			by											
Phone:	575-988-005	5			Email: clinton.talley@matad	orresources.con		ORO										State	
Email: a	giovengo@e	ensolum.	com					RO/	Н	0		0.0		ΣZ		~	NM CO	UT AZ	TX
Report o	due by:							0/0	8021	826	5010	300				X	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0		верос		GDOC		Remarks	
10:01	1/31/2024	Soil	1		SS01 - 0'	1								х					
12:02	1/31/2024	Soil	1		SS02 - 0'	2								х					
10:36	1/31/2024	Soil	1		SS03 - 0'	3								х					
10:29	1/31/2024	Soil	1		SS04 - 0'	4								х					
11:26	1/31/2024	Soil	1		SS05 - 0'	5								х					
11:10	1/31/2024	Soil	1		SS06 - 0'									х					
11:03	1/31/2024	Soil	1		SS07 - 0'	7								х					
11:05	1/31/2024	Soil	1		SS08 - 0'	8								х					
Addition	nal Instructio	ns: Ple	ase CC: cl	ourton@ensol	um.com, agiovengo@ensolum.com	m, chamilton@e	enso	lum.c	om,	ehat	t@en	solu	m.com,	iestrell	la@	enso	olum.com - sa	amples ke	pt on ice
				ty of this sample. I a	am aware that tampering with or intentionally gal action. Sampled by: Ethan H		le loc	ation,									ceived on ice the day ess than 6 °C on sub	0.00	led or
Relinquish	ed by: (Signatu	111	Date	101/24 07	Received by: (Signature)	Date 2-1-2	14	Time	47	7	Rece	ived	on ice:	Lab		e Onl	ly		
Wic	ed by: (Signatu		Date 2	1-24 Time	Received by: (Signature)	Date 2/1/2	24	Time	630	2	T1			T2			T3		
Relinquish	ed by: (Signatu	fer	Date		Received by: (Signature)	Date 62023	24	Time	الم		AVG	Tem	p°C_	1_					
Sample Ma	trix: S - Soil, S d - S	Solid, Sg - Slu	ıdge, A - Aqı	ieous, O - Other	- ME	Containe	r Typ	e:g-	glass	p-p				per glas	s, v	- VOA			
Note: Sam	ples are discard	ded 30 day	s after resu	Its are reported un	nless other arrangements are made. Haz													analysis of t	he above
amples is	applicable only	to those s	amples rec	eived by the labor	atory with this COC. The liability of the la	boratory is limited t	o the	amou	nt pai	d for	on the	repoi	rt.						



Printed: 2/3/2024 9:23:08AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	02/02/24	06:10		Work Order ID:	E402027
Phone:	(972) 371-5200	Date Logged In:	02/02/24	09:35		Logged In By:	Jessica Liesse
Email:	agiovngo@ensolum.com	Due Date:	02/08/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	eumer. <u>e</u>	<u> </u>		
	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic					Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	,	temperature. 4	<u>C</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·	iers conecteur	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	w9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	NI A		
	· - · · ·	so who.	1421	Subcontract Lab	, NA		
Client In	<u>astruction</u>						
L							

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E403253

Job Number: 23003-C-0001

Received: 3/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/2/24

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

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

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

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

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

Date Reported: 4/2/24

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

Project Name: Dagger State TB

Workorder: E403253

Date Received: 3/27/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2024 7:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01 -0'	5
BH01 -1'	6
BH02 -0'	7
BH02 -1'	8
BH03 -0'	9
BH03 -1'	10
BH04 -0'	11
BH04 -1'	12
BH05 -0'	13
BH05 -1'	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc	20

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reporteu.	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/02/24 14:27	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 -0'	E403253-01A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH01 -1'	E403253-02A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH02 -0'	E403253-03A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH02 -1'	E403253-04A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH03 -0'	E403253-05A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH03 -1'	E403253-06A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH04 -0'	E403253-07A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH04 -1'	E403253-08A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH05 -0'	E403253-09A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH05 -1'	E403253-10A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH01 -2'	E403253-11A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BH02 -2'	E403253-12A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH01 -0' E403253-01

		E403233-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2413075
Benzene	ND	0.0250	1	03/27/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/27/24	
Toluene	ND	0.0250	1	03/27/24	03/27/24	
o-Xylene	ND	0.0250	1	03/27/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/27/24	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2413075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.4 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2413103
Diesel Range Organics (C10-C28)	26.3	25.0	1	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	04/01/24	
Surrogate: n-Nonane		68.5 %	50-200	03/28/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2413076
Chloride	2790	40.0	2	03/27/24	03/27/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH01 -1' E403253-02

	E-105235 02				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2413075
ND	0.0250	1	03/27/24	03/27/24	
ND	0.0250	1	03/27/24	03/27/24	
ND	0.0250	1	03/27/24	03/27/24	
ND	0.0250	1	03/27/24	03/27/24	
ND	0.0500	1	03/27/24	03/27/24	
ND	0.0250	1	03/27/24	03/27/24	
	96.5 %	70-130	03/27/24	03/27/24	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2413075
ND	20.0	1	03/27/24	03/27/24	
	89.6 %	70-130	03/27/24	03/27/24	
mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2413103
ND	25.0	1	03/28/24	04/01/24	
ND	50.0	1	03/28/24	04/01/24	
	73.3 %	50-200	03/28/24	04/01/24	
mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2413076
66.1	20.0	1	03/27/24	03/27/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 89.6 % mg/kg ND 25.0 ND 50.0 73.3 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 89.6 % 70-130 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 73.3 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 03/27/24 ND 0.0250 1 03/27/24 ND 0.0250 1 03/27/24 ND 0.0250 1 03/27/24 ND 0.0500 1 03/27/24 ND 0.0250 1 03/27/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/27/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/27/24 ND 25.0 1 03/28/24 ND 50.0 1 03/28/24 ND 50.0 1 03/28/24 mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/27/24 03/27/24 ND 0.0250 1 03/27/24 03/27/24 ND 0.0250 1 03/27/24 03/27/24 ND 0.0500 1 03/27/24 03/27/24 ND 0.0250 1 03/27/24 03/27/24 ND 0.0250 1 03/27/24 03/27/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/27/24 03/27/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/27/24 03/27/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/28/24 04/01/24 ND 50.0 1 03/28/24 04/01/24 ND 50.0 1 03/28/24 04/01/24 Mg/kg mg/kg



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH02 -0' E403253-03

	L+05235 05				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: BA		Batch: 2413075
ND	0.0250	1	03/27/24	03/27/24	
0.962	0.0250	1	03/27/24	03/27/24	
0.115	0.0250	1	03/27/24	03/27/24	
2.15	0.0250	1	03/27/24	03/27/24	
3.78	0.0500	1	03/27/24	03/27/24	
5.93	0.0250	1	03/27/24	03/27/24	
	121 %	70-130	03/27/24	03/27/24	
mg/kg	mg/kg	Ana	alyst: BA		Batch: 2413075
117	20.0	1	03/27/24	03/27/24	
	94.7 %	70-130	03/27/24	03/27/24	
mg/kg	mg/kg	Ana	alyst: KM		Batch: 2413103
5280	125	5	03/28/24	04/01/24	
1900	250	5	03/28/24	04/01/24	
	86.6 %	50-200	03/28/24	04/01/24	
mg/kg	mg/kg	Ana	alyst: DT		Batch: 2413076
2090	40.0	2	03/27/24	03/27/24	
	mg/kg ND 0.962 0.115 2.15 3.78 5.93 mg/kg 117 mg/kg 5280 1900	Result Reporting Limit mg/kg mg/kg ND 0.0250 0.962 0.0250 0.115 0.0250 2.15 0.0250 3.78 0.0500 5.93 0.0250 121 % mg/kg mg/kg 117 20.0 94.7 % mg/kg mg/kg mg/kg 5280 125 1900 250 86.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg And ND 0.0250 1 0.962 0.0250 1 0.115 0.0250 1 2.15 0.0250 1 3.78 0.0500 1 5.93 0.0250 1 mg/kg mg/kg And 117 20.0 1 94.7 % 70-130 mg/kg mg/kg And 5280 125 5 1900 250 5 86.6 % 50-200 mg/kg mg/kg And	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 03/27/24 0.962 0.0250 1 03/27/24 0.115 0.0250 1 03/27/24 2.15 0.0250 1 03/27/24 3.78 0.0500 1 03/27/24 5.93 0.0250 1 03/27/24 mg/kg mg/kg Analyst: BA 117 20.0 1 03/27/24 mg/kg mg/kg Analyst: KM 5280 125 5 03/28/24 1900 250 5 03/28/24 mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/27/24 03/27/24 0.962 0.0250 1 03/27/24 03/27/24 0.115 0.0250 1 03/27/24 03/27/24 2.15 0.0250 1 03/27/24 03/27/24 3.78 0.0500 1 03/27/24 03/27/24 5.93 0.0250 1 03/27/24 03/27/24 5.93 0.0250 1 03/27/24 03/27/24 mg/kg mg/kg Analyst: BA 117 20.0 1 03/27/24 03/27/24 mg/kg mg/kg Analyst: KM 5280 125 5 03/28/24 04/01/24 mg/kg mg/kg 50-200 03/28/24 04/01/24 mg/kg mg/kg Analyst: DT 04/01/24



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH02 -1'

E403253-04						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2413075
Benzene	ND	0.0250	1	03/27/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/27/24	
Toluene	ND	0.0250	1	03/27/24	03/27/24	
o-Xylene	ND	0.0250	1	03/27/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/27/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2413075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2413103
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	04/01/24	
Surrogate: n-Nonane		70.2 %	50-200	03/28/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2413076
Chloride	25.3	20.0	1	03/27/24	03/27/24	



Matador Resources, LL	2.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suit	e 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH03 -0' E403253-05

		E403233-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2413075
Benzene	ND	0.0250	1	03/27/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/27/24	
Toluene	ND	0.0250	1	03/27/24	03/27/24	
o-Xylene	ND	0.0250	1	03/27/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/27/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2413075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.8 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2413103
Diesel Range Organics (C10-C28)	2550	125	5	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	1380	250	5	03/28/24	04/01/24	
Surrogate: n-Nonane		71.1 %	50-200	03/28/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2413076
Chloride	406	20.0	1	03/27/24	03/27/24	



Matador Resources, LL	2.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suit	e 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH03 -1' E403253-06

		1100200 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2413075
Benzene	ND	0.0250	1	03/27/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/27/24	
Toluene	ND	0.0250	1	03/27/24	03/27/24	
o-Xylene	ND	0.0250	1	03/27/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/27/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2413075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2413103
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	04/01/24	
Surrogate: n-Nonane		74.1 %	50-200	03/28/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2413076
Chloride	21.0	20.0	1	03/27/24	03/27/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH04 -0' E403253-07

		E-105255 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Anal	yst: BA		Batch: 2413075
Benzene	ND	0.0250	1	03/27/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/27/24	
Toluene	ND	0.0250	1	03/27/24	03/27/24	
o-Xylene	ND	0.0250	1	03/27/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/27/24	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2413075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	03/27/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2413103
Diesel Range Organics (C10-C28)	130	25.0	1	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	91.7	50.0	1	03/28/24	04/01/24	
Surrogate: n-Nonane		74.6 %	50-200	03/28/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2413076
Chloride	67.5	20.0	1	03/27/24	03/27/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH04 -1' E403253-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	yst: BA		Batch: 2413075
Benzene	ND	0.0250	1	03/27/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/28/24	
Toluene	ND	0.0250	1	03/27/24	03/28/24	
o-Xylene	ND	0.0250	1	03/27/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/28/24	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	03/27/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2413075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	03/27/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2413103
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	04/01/24	
Surrogate: n-Nonane		71.1 %	50-200	03/28/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2413076
Chloride	ND	20.0	1	03/27/24	03/27/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH05 -0' E403253-09

	E405255-07				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2413075
ND	0.0250	1	03/27/24	03/28/24	
ND	0.0250	1	03/27/24	03/28/24	
ND	0.0250	1	03/27/24	03/28/24	
ND	0.0250	1	03/27/24	03/28/24	
ND	0.0500	1	03/27/24	03/28/24	
ND	0.0250	1	03/27/24	03/28/24	
	93.7 %	70-130	03/27/24	03/28/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2413075
ND	20.0	1	03/27/24	03/28/24	
	88.3 %	70-130	03/27/24	03/28/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2413103
36.3	25.0	1	03/28/24	04/01/24	
ND	50.0	1	03/28/24	04/01/24	
	74.6 %	50-200	03/28/24	04/01/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2413076
31.4	20.0	1	03/27/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 36.3 ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 88.3 % mg/kg mg/kg mg/kg 36.3 25.0 ND 50.0 74.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 88.3 % 70-130 70-130 mg/kg mg/kg Ana 36.3 25.0 1 ND 50.0 1 74.6 % 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 03/27/24 ND 0.0250 1 03/27/24 ND 0.0250 1 03/27/24 ND 0.0500 1 03/27/24 ND 0.0250 1 03/27/24 ND 0.0250 1 03/27/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/27/24 mg/kg mg/kg Analyst: KM 36.3 25.0 1 03/28/24 ND 50.0 1 03/28/24 ND 50.0 1 03/28/24 mg/kg mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/27/24 03/28/24 ND 0.0250 1 03/27/24 03/28/24 ND 0.0250 1 03/27/24 03/28/24 ND 0.0500 1 03/27/24 03/28/24 ND 0.0250 1 03/27/24 03/28/24 ND 0.0250 1 03/27/24 03/28/24 ND 0.0250 1 03/27/24 03/28/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/27/24 03/28/24 Mg/kg mg/kg Analyst: KM 36.3 25.0 1 03/28/24 04/01/24 ND 50.0 1 03/28/24 04/01/24 74.6 % 50-200 03/28/24 04/01/24 mg/kg mg/kg Analyst: DT



Matador Resources, LL	2.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suit	e 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

BH05 -1' E403253-10

		1.405255 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	vst: BA		Batch: 2413075
Benzene	ND	0.0250	1	03/27/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/28/24	
Toluene	ND	0.0250	1	03/27/24	03/28/24	
o-Xylene	ND	0.0250	1	03/27/24	03/28/24	
o,m-Xylene	ND	0.0500	1	03/27/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/28/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	03/27/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2413075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	03/27/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2413103
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	04/01/24	
Surrogate: n-Nonane		74.0 %	50-200	03/28/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2413076
Chloride	ND	20.0	1	03/27/24	03/27/24	



Dagger State TB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-C-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 4/2/2024 2:27:18PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2413075-BLK1) Prepared: 03/27/24 Analyzed: 03/27/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.70 8.00 96.2 70-130 LCS (2413075-BS1) Prepared: 03/27/24 Analyzed: 03/27/24 5.05 101 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.90 0.0250 5.00 98.1 70-130 5.05 0.0250 5.00 101 70-130 Toluene 99.5 o-Xylene 4.97 0.0250 5.00 70-130 10.0 10.0 100 70-130 0.0500 p.m-Xvlene 100 70-130 15.0 15.0 Total Xylenes 0.0250 8.00 95.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.64 Matrix Spike (2413075-MS1) Source: E403253-12 Prepared: 03/27/24 Analyzed: 03/27/24 5.11 0.0250 5.00 ND 54-133 Benzene ND 99.3 61-133 Ethylbenzene 4.96 0.0250 5.00 Toluene 5.11 0.0250 5.00 ND 102 61-130 ND 101 63-131 5.04 5.00 0.0250 o-Xylene p,m-Xylene 10.2 0.0500 10.0 ND 102 63-131 15.2 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.71 8.00 Matrix Spike Dup (2413075-MSD1) Source: E403253-12 Prepared: 03/27/24 Analyzed: 03/27/24 5.48 0.0250 5.00 ND 54-133 6.97 20

5.32

5 47

5.40

10.9

16.3

7.70

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

106

109

108

109

108

96.3

61-133

61-130

63-131

63-131

63-131

70-130

6.84

6.85

6.90

6.70

6.77

20

20

20

20

20



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/2/2024 2:27:18PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			4/	2/2024 2:27:18PM	
	Nor	nhalogenated	Organics	by EPA 80	15D - G	RO		Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2413075-BLK1)							Prepared: 0	3/27/24 Ana	lyzed: 03/27/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130				
LCS (2413075-BS2)							Prepared: 0	3/27/24 Ana	lyzed: 03/27/24	
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.1	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130				
Matrix Spike (2413075-MS2)				Source:	E403253-	12	Prepared: 0	3/27/24 Ana	lyzed: 03/27/24	
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.5	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130				
Matrix Spike Dup (2413075-MSD2)				Source:	E403253-	12	Prepared: 0	3/27/24 Ana	lyzed: 03/27/24	
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130	6.47	20		

8.00

7.28

90.9

70-130

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-C-0001Dallas TX, 75240Project Manager:Ashley Giovengo4/2/2024 2:27:18PM

Dullus 171, 732 10	Troject Hamager. Tollies diovergo										
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	g mg/kg	%	%	%	%	Notes		
Blank (2413103-BLK1)							Prepared: 03/28/24 Analyzed: 03/31/24				
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	36.6		50.0		73.2	50-200					
LCS (2413103-BS1)							Prepared: 0	3/28/24 Ana	lyzed: 03/31/24		
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132					
Surrogate: n-Nonane	36.9		50.0		73.9	50-200					
Matrix Spike (2413103-MS1)				Source:	E403253-	01	Prepared: 0	3/28/24 Ana	lyzed: 03/31/24		
Diesel Range Organics (C10-C28)	258	25.0	250	26.3	92.8	38-132					
Surrogate: n-Nonane	35.3		50.0		70.6	50-200					
Matrix Spike Dup (2413103-MSD1)				Source:	E403253-	01	Prepared: 0	3/28/24 Ana	lyzed: 03/31/24		
Diesel Range Organics (C10-C28)	263	25.0	250	26.3	94.7	38-132	1.85	20			
Surrogate: n-Nonane	36.2		50.0		72.5	50-200					

Chloride

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manage							Reported: 4/2/2024 2:27:18PM	
		Anions	by EPA	300.0/9056 <i>£</i>	4			Analyst: DT		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2413076-BLK1)						F	Prepared: 0	3/27/24 A	analyzed: 03/27/24	
Chloride	ND	20.0								
LCS (2413076-BS1)						F	Prepared: 0	3/27/24 A	analyzed: 03/27/24	

Matrix Spike (2413076-MS1)					Source: E403253-03			Prepared: 03/27/24 Analyzed: 03/27/24		
Chloride	2650	40.0	250	2090	225	80-120			M4	
Matrix Spike Dup (2413076-MSD1)				Source:	E403253-0	03	Prepared: 03	3/27/24 Ana	lyzed: 03/27/24	
Chloride	2430	40.0	250	2090	137	80-120	8.68	20	M4	

250

20.0

100

90-110

250

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:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/02/24 14:27

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

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



1	Received by OCD: 7/17/2024 1:42:48 PM
ım	d by
WA	201
RA): 7/
	17/2
	024
	1:4.
	2:48
	PM

	Matador Prod		ompany		Bill To				Lab	Use (Only					TA	T	EPA P	rogram
	Dagger State				Attention: Ensolum LLC		Lab \	WO#			b Nur			1D	2D	3D	Standard	CWA	SDWA
	Manager: As		14.77		Address: on file		E	1037	253	23	3003-	-6-00	201				х		
	: 3122 Natio				City, State, Zip:					Ana	alysis a	and M	ethod	d					RCRA
City, Sta	te, Zip: Carls	bad NM,	88220		Phone: 575-988-0055			by						- 1					
	575-988-005				Email: agiovengo@ensolum.con	ń		ORO										State	
	giovengo@e	nsolum.c	om					30/0			0.0			NN			NM CO	UT AZ	TX
Report o	lue by:							0/0	802	2010	300	I				¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	Metals 6010	Chloride 300.0	тсео трн		BGDOC		GDOC		Remarks	
9:43	3/25/2024	Soil	1		BH01 - 0'	1								х					
9:46	3/25/2024	Soil	1		BH01 - 1'	2								x					
9:59	3/25/2024	Soil	1		BH02 - 0'	3								х					
10:03	3/25/2024	Soil	1		BH02 - 1'	4								х					
10:20	3/25/2024	Soil	1		BH03 - 0'	5								х					
10:22	3/25/2024	Soil	1		BH03 - 1'	6								х					
10:26	3/25/2024	Soil	1		BH04 - 0'	7								х					
10:28	3/25/2024	Soil	1		BH04 - 1'	8								х			1		
10:30	3/25/2024	Soil	1		BH05 - 0'	q								х					
10:31	3/25/2024	Soil	1		BH05 - 1'	lo								х					
					um.com, agiovengo@ensolum.com, c				m, ies										
date or time	e of collection is c	onsidered fr		y of this sample. I		belling the samp	e locati	on,		110000							eived on ice the day is than 6 °C on subs	and the second	led or
61	ed by: (Signatur	work	Date 3-	26-24 Time	Received by: (Signature) Received by: (Signature) White Carlo	3-26-	24	Time D7	30	Re	ceive	d on i	ce:		b Us	e Only			
Mid	~	y/	Date	424 Time	730 Indrew MSSs	3.26	14	Time 17	30	<u>T1</u>				T2			<u>T3</u>		
Lar	ed by: (Signatur	S		16.24 Time	Received by: (Signature)	3-27-	24	Time 070	D	AV	'G Ter	np °C	4						
ample Mat	trix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aque	eous, O - Other	//	Containe	Type:	g - gla	ass, p -	poly	/plasti	c, ag -	amb	er gla	iss, v	- VOA			
Vote: Sam	ples are discard	ed 30 days	after result	ts are reported u	inless other arrangements are made. Hazardo	us samples will	he reti	irned to	o client	or di	ennead	of at t	ho clie	ant av	nonce	The	roport for the	analysis of t	ho about



1/0	
-	
_ 6	
-	ī
-	۲
- 6	1
ä	
-	'n
-	
	Г
-	L
_ <	٥
_	ζ
- 5	g
-	ų
	•
	١
	Š
_	4
-	3
	ς
	ч
- K	3
- 22	ď
- 5	9
- 6	ð
- 4	_
	1
-	4
	Ü
- 4	_
- K	3
- 20	4
- 4	
	•
0	þ
-	
- 13	J
	a

Client: N	lient: Matador Production Company				Bill To					La	b Us	se On	ly			TAT			EPA Program				
	Dagger State					Attention: Ensolum LLC						Job Number			1D 2		2D 3D		andard	CWA	SDWA		
	/lanager: As		vengo			Address: on fil				E	103	25	3	230	03-	C-000					X		
Address:	3122 Natio	nal Parks	Hwy			City, State, Zip:	\$									nd Meth						1 - 1	RCRA
City, Stat	e, Zip: Carls	bad NM	88220			Phone: 575-98	38-0055				by				100								
Phone:	575-988-005	5				Email: agiover	ngo@ensolum.com				ORO											State	
Email: a	giovengo@e	nsolum.	com								30/0	-	0		0.0		2012	2	-		NM CO	UT AZ	TX
Report d	ue by:										g/o	805	826	6010	300	표			¥	1	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				La Num			TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	тсед трн	000	2000	GDOC			Remarks	- 1
9:49	3/25/2024	Soil	1			BH01 -2'		1	1								,	(Do not run for B	BGDOC unless BH or 600 Cl	01 - 1' > 100 TPH
10:05	3/25/2024	Soil	1			BH02 - 2'		1	2								,	(Do not run for B	BGDOC unless BH or 600 Cl	02 - 1' > 100 TPH
Addition	al Instructio	ns: Ple	ase CC: c	burton@er	nsolum	.com, agiovengo	@ensolum.com, ch	namilto	n@e	ensol	um.c	om, i	iestr	ella@	ens	olum.c	om						
	pler), attest to the of collection is					A	with or intentionally mislab	belling the	samp	le loca	tion,			200							on ice the day i an 6 °C on subse		led or
telinquish	ed by: (Signatu	re)	Date	-26-241	Time 7:	30 mich	(Signature)		26	24	Time	730	2	Rece	eive	d on ice	(Lab L		nly			
telinquish WC	ed by: (Signaru	re)	Date 3	2624	173	10 Indrew	v: (Signature)		.26	24	Time	73	00	T1			T	2			<u>T3</u>		
Relinquish	ed by: (Signatu Yu	So.	Date 2	· U. W	223		(Signature)			24		100				np °C_				/e			
CONTRACTOR OF THE PARTY	rix: S - Soil, Sd - S		A STATE OF THE STA			_ //										c, ag - ar							
							nts are made. Hazardou										clien	expen	se. T	he rep	ort for the a	analysis of t	he above
amples is	applicable only	to those s	samples re	ceived by the	laborato	ry with this COC. Th	e liability of the laborate	ory is lim	ited t	o the	amou	nt paid	d for	on the	repo	ort.							
														6	3		-	-	9 4		1 10 4	-	ec
														E	-		-	- 1	1	V			CC
							Pa	ge 21 (of 22	2							-	-	-	-			_



Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Printed: 3/27/2024 10:13:45AM

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	03/27/24	07:00	Work Order ID:	E403253
Phone:	(972) 371-5200	Date Logged In:	03/26/24		Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	04/02/24	17:00 (4 day TAT)		
1. Does to 2. Does to 3. Were so 4. Was the	Custody (COC) the sample ID match the COC? the number of samples per sampling site location match tamples dropped off by client or carrier? the COC complete, i.e., signatures, dates/times, requestable samples received within holding time? Note: Analysis, such as pH which should be conducted in	ested analyses?	Yes Yes Yes Yes	Carrier: <u>C</u>		nts/Resolution
Sample '	i.e, 15 minute hold time, are not included in this disucss Nurn Around Time (TAT)	ion.				
	e COC indicate standard TAT, or Expedited TAT?		Yes		See Remarks on COC	- ' '
Sample (Van		BH01 -2, (12)- BH02-2	²
	sample cooler received?		Yes Yes			
•	was cooler received in good condition?					1
	ne sample(s) received intact, i.e., not broken?		Yes			l l
	custody/security seals present?		No			į
-	, were custody/security seals intact?		NA			1
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	Container					
	equeous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			İ
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	s?	Yes			i
	appropriate volume/weight or number of sample contain		Yes			
Field La						
20. Were	field sample labels filled out with the minimum inf	formation:	Yes			
	Date/Time Collected?		Yes	l	-	
(Collectors name?		Yes			
	Preservation					
	the COC or field labels indicate the samples were p	oreserved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved	metals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	s, does the COC specify which phase(s) is to be anal	lyzed?	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborate	-	No			
29. Was	a subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab	: NA	
Client I	<u>nstruction</u>					
Sions	ture of client authorizing changes to the COC or sample di	sposition.			Date	- envirotech Inc.

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406027

Job Number: 23003-0002

Received: 6/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/24

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

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

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

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

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

Date Reported: 6/7/24

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

Project Name: Dagger State TB

Workorder: E406027

Date Received: 6/5/2024 12:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/5/2024 12:00:00PM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

G 11 505 330 4550

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS80 - 0'	5
FS81 - 0'	6
FS82 - 0'	7
FS83 - 0'	8
FS84 - 0'	9
FS85 - 0'	10
FS86 - 0'	11
QC Summary Data	12
QC - Volatile Organics by EPA 8021B	12
QC - Nonhalogenated Organics by EPA 8015D - GRO	13
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	14
QC - Anions by EPA 300.0/9056A	15
Definitions and Notes	16
Chain of Custody etc.	17

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/07/24 14:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS80 - 0'	E406027-01A	Soil	06/03/24	06/05/24	Glass Jar, 2 oz.
FS81 - 0'	E406027-02A	Soil	06/03/24	06/05/24	Glass Jar, 2 oz.
FS82 - 0'	E406027-03A	Soil	06/03/24	06/05/24	Glass Jar, 2 oz.
FS83 - 0'	E406027-04A	Soil	06/03/24	06/05/24	Glass Jar, 2 oz.
FS84 - 0'	E406027-05A	Soil	06/03/24	06/05/24	Glass Jar, 2 oz.
FS85 - 0'	E406027-06A	Soil	06/03/24	06/05/24	Glass Jar, 2 oz.
FS86 - 0'	E406027-07A	Soil	06/03/24	06/05/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

FS80 - 0'

		E406027-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2423063
Benzene	ND	0.0250	1	06/05/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/05/24	06/06/24	
Toluene	ND	0.0250	1	06/05/24	06/06/24	
o-Xylene	ND	0.0250	1	06/05/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/05/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/05/24	06/06/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2423063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/24	06/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2423069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/07/24	
Surrogate: n-Nonane		114 %	50-200	06/05/24	06/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: WF		Batch: 2423074
Chloride	ND	20.0	1	06/05/24	06/06/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

FS81 - 0' E406027-02

	E400027-02				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2423063
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0500	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
	91.0 %	70-130	06/05/24	06/06/24	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2423063
ND	20.0	1	06/05/24	06/06/24	
	97.9 %	70-130	06/05/24	06/06/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2423069
ND	25.0	1	06/05/24	06/07/24	
ND	50.0	1	06/05/24	06/07/24	
	114 %	50-200	06/05/24	06/07/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2423074
ND	20.0	1	06/05/24	06/06/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MD 20.0 97.9 % mg/kg MD 25.0 ND 50.0 114 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 91.0 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 ND 25.0 1 ND 50.0 1 114 % 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/05/24 ND 0.0250 1 06/05/24 ND 0.0250 1 06/05/24 ND 0.0250 1 06/05/24 ND 0.0500 1 06/05/24 ND 0.0250 1 06/05/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/05/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/05/24 ND 50.0 1 06/05/24 ND 50.0 1 06/05/24 ND 50.0 1 06/05/24 ND 50.0 1 06/05/24 Mg/kg mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/05/24 06/06/24 ND 0.0500 1 06/05/24 06/06/24 ND 0.0250 1 06/05/24 06/06/24 ND 0.0250 1 06/05/24 06/06/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/05/24 06/06/24 Mg/kg mg/kg Analyst: KM ND 25.0 1 06/05/24 06/06/24 ND 25.0 1 06/05/24 06/07/24 ND 50.0 1 06/05/24 06/07/24 ND 50.0 1 06/05/24 06/07/24



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

FS82 - 0' E406027-03

		E406027-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423063
Benzene	ND	0.0250	1	06/05/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/05/24	06/06/24	
Toluene	ND	0.0250	1	06/05/24	06/06/24	
o-Xylene	ND	0.0250	1	06/05/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/05/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/05/24	06/06/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/24	06/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2423069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/07/24	
Surrogate: n-Nonane		118 %	50-200	06/05/24	06/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2423074
Chloride	ND	20.0	1	06/05/24	06/06/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

FS83 - 0' E406027-04

		E400027-04				
	D 1:	Reporting	D .1	D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2423063
Benzene	ND	0.0250	1	06/05/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/05/24	06/06/24	
Toluene	ND	0.0250	1	06/05/24	06/06/24	
o-Xylene	ND	0.0250	1	06/05/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/05/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/05/24	06/06/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2423063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/24	06/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2423069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/07/24	
Surrogate: n-Nonane		116 %	50-200	06/05/24	06/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2423074
Chloride	ND	20.0	1	06/05/24	06/06/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

FS84 - 0' E406027-05

		E400027-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Liiiit	Dilution	Trepared	7 thaty zed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423063
Benzene	ND	0.0250	1	06/05/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/05/24	06/06/24	
Toluene	ND	0.0250	1	06/05/24	06/06/24	
o-Xylene	ND	0.0250	1	06/05/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/05/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/05/24	06/06/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/24	06/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2423069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/07/24	
Surrogate: n-Nonane		120 %	50-200	06/05/24	06/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2423074
Chloride	ND	20.0	1	06/05/24	06/06/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

FS85 - 0' E406027-06

	L100027 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: IY		Batch: 2423063
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
ND	0.0500	1	06/05/24	06/06/24	
ND	0.0250	1	06/05/24	06/06/24	
	91.2 %	70-130	06/05/24	06/06/24	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2423063
ND	20.0	1	06/05/24	06/06/24	
	97.7 %	70-130	06/05/24	06/06/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2423069
ND	25.0	1	06/05/24	06/07/24	
ND	50.0	1	06/05/24	06/07/24	
	117 %	50-200	06/05/24	06/07/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2423074
ND	20.0	1	06/05/24	06/06/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 91.2 % mg/kg Mg/kg mg/kg ND 20.0 97.7 % mg/kg MD 25.0 ND 50.0 117 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.2 % 70-130 mg/kg mg/kg Analy ND 20.0 1 97.7 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 117 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg MS Analyst: IY ND 0.0250 1 06/05/24 ND 0.0250 1 06/05/24 ND 0.0250 1 06/05/24 ND 0.0500 1 06/05/24 ND 0.0250 1 06/05/24 ND 0.0250 1 06/05/24 mg/kg Mg/kg Analyst: IY ND 20.0 1 06/05/24 mg/kg Mg/kg Analyst: KM ND 25.0 1 06/05/24 ND 50.0 1 06/05/24 ND 50.0 1 06/05/24 Mg/kg Mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/05/24 06/06/24 ND 0.0500 1 06/05/24 06/06/24 ND 0.0250 1 06/05/24 06/06/24 MD 0.0250 1 06/05/24 06/06/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/05/24 06/06/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/05/24 06/06/24 ND 25.0 1 06/05/24 06/07/24 ND 50.0 1 06/05/24 06/07/24 ND 50.0 1 06/05/24 06/07/24



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

FS86 - 0' E406027-07

		E400027-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2423063
Benzene	ND	0.0250	1	06/05/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/05/24	06/06/24	
Foluene	ND	0.0250	1	06/05/24	06/06/24	
o-Xylene	ND	0.0250	1	06/05/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/05/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/05/24	06/06/24	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2423063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/05/24	06/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	06/05/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2423069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/07/24	
Surrogate: n-Nonane		117 %	50-200	06/05/24	06/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2423074
Chloride	ND	20.0	1	06/05/24	06/06/24	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

Dallas TX, 75240		Project Number: Project Manager:		shley Giovengo)				6/7/2024 2:26:19PM
		Volatile O	rganics b	y EPA 8021	B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423063-BLK1)]	Prepared: 0	6/05/24 Aı	nalyzed: 06/06/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Coluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
otal Xylenes	ND	0.0250							
urrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			
LCS (2423063-BS1)]	Prepared: 0	6/05/24 Aı	nalyzed: 06/06/24
Benzene	4.83	0.0250	5.00		96.7	70-130			
thylbenzene	4.68	0.0250	5.00		93.7	70-130			
oluene	4.77	0.0250	5.00		95.4	70-130			
-Xylene	4.67	0.0250	5.00		93.4	70-130			
,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.2	0.0250	15.0		94.6	70-130			
urrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			
LCS Dup (2423063-BSD1)]	Prepared: 0	6/05/24 Aı	nalyzed: 06/06/24
Benzene	4.74	0.0250	5.00		94.8	70-130	2.00	20	
thylbenzene	4.59	0.0250	5.00		91.8	70-130	1.97	20	
Coluene	4.68	0.0250	5.00		93.7	70-130	1.86	20	
-Xylene	4.59	0.0250	5.00		91.7	70-130	1.82	20	
,m-Xylene	9.34	0.0500	10.0		93.4	70-130	1.89	20	
otal Xylenes	13.9	0.0250	15.0		92.9	70-130	1.86	20	

70-130



QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/7/20242:26:19PM

Nonhalogenated Organics	by	EPA	8015D -	GRO
-------------------------	----	-----	---------	-----

Analyst: IY

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

Blank (2423063-BLK1)						Prepared: 0	5/05/24 A	nalyzed: 06/06/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00	99.1	70-130			
LCS (2423063-BS2)						Prepared: 0	5/05/24 A	analyzed: 06/06/24
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	95.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00	98.9	70-130			
LCS Dup (2423063-BSD2)						Prepared: 0	5/05/24 A	nalyzed: 06/06/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	99.0	70-130	3.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00	98.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger State TB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/7/2024 2:26:19PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			0.	///2024 2:26:19PN
	Nonhal	Analyst: KM							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423069-BLK1)							Prepared: 0	6/05/24 Ana	lyzed: 06/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			
LCS (2423069-BS1)							Prepared: 0	6/05/24 Ana	lyzed: 06/07/24
Diesel Range Organics (C10-C28)	309	25.0	250		124	38-132			
Surrogate: n-Nonane	56.6		50.0		113	50-200			
LCS Dup (2423069-BSD1)							Prepared: 0	6/05/24 Ana	lyzed: 06/07/24
Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132	0.534	20	
Surrogate: n-Nonane	57.8		50.0		116	50-200			

Chloride

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	agger State TI 8003-0002 shley Gioveng					Reported: 6/7/2024 2:26:19PM
		Anions	by EPA 3	300.0/9056 <i>E</i>	\				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423074-BLK1)							Prepared: 0	6/05/24 A	nalyzed: 06/06/24
Chloride	ND	20.0							
LCS (2423074-BS1)							Prepared: 0	6/05/24 A	nalyzed: 06/06/24
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2423074-MS1)				Source:	E406022-	03	Prepared: 0	6/05/24 A	nalyzed: 06/06/24
Chloride	246	200	250	ND	98.4	80-120			
Matrix Spike Dup (2423074-MSD1)				Source:	E406022-	03	Prepared: 0	6/05/24 A	nalyzed: 06/06/24

250

200

97.2

80-120

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Resources, LLC.	Project Name:	Dagger State TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/07/24 14:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Page	of
	i

	Clie	nt Inform	nation			Invoice Inform	ation				La	b Us	e On	ly				TA	AT			State	
Client: N	Matador Proc	luction C	ompany		Co	mpany: Ensolum LLC			Lab V	VO#		-	Job	Num	ber		1D	2D	3D S	Std	NM	CO UT	TX
Project:	Dagger Sta	te TB			Ac	dress: 3122 National Pa	arks Hwy		E4	00	902	1	23	00	3:000 ×				(X			
Project N	Manager: As	hley Giov	engo		Cit	ty, State, Zip: Carlsbad N	IM, 88220																
Address	: 3122 Natio	nal Parks	Hwy		Ph	one: 575-988-0055							Ana	lysis	and	Met	hod				EP/	A Progra	m
City, Sta	te, Zip: Carls	bad NM,	88220		Er	mail: agiovengo@ensol	lum.com														SDWA	CWA	RCRA
Phone:	575-988-005	5			Mi	scellaneous:						1.14					6.1						7-5-
Email: a	giovengo@e	nsolum.c	om							15	15										Complianc	e Y	or N
-										y 8015	y 80	7	0	0.0	5	×	als				PWSID#		
				Sam	ple Informat	ion				ROb	RO b	/ 802	826	e 30	N	05 - 1	Met						
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	La Num	b ber	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	MN-DOG58	TCEQ 1005 - TX	RCRA 8 Metals					Remarks	
11:32	6/3/2024	S	1			FS80 - 0'		1							х								
11:35	6/3/2024	s	1			FS81 - 0'		2	1						х								
11:27	6/3/2024	S	1			FS82 - 0'		3							х								
11:25	6/3/2024	S	1			FS83 - 0'		U							х								
11:20	6/3/2024	S	1			FS84 - 0'		2	5						x								
11:15	6/3/2024	S	1			FS85 - 0'		6)						х								
11:12	6/3/2024	S	1			FS86 - 0'			1						x								
																	Ti						
Addition	nal Instructio	ns: Ple	ase CC: cb	urton@e	nsolum.com	, agiovengo@ensolum.c	com, chamilt	ton@er	nsolu	ım.c	om, i	estr	ella@	ens	olun	n.cor	n						
the beautiful to the con-	pler), attest to the		d authenticity	of this samp	le. I am aware th	at tampering with or intentionally	mislabeling the s	sample loc	cation,	date	or time	of co	llectio	n is co	nsider	ed frau	d and	may b	e ground	ds for	legal action.	7	
	ned by: (Signatu		Date	1/24	Time	Received by: (Signature)	ranles 6	te 0-4-6	24	Time	211				sampl		ceived				st be received o temp above 0		
	red by (Signatu		Date	4-24	Time 1600	Received by: (Signature)	Dat		1	Time	64	5				eived		ice:	1	o Us V N	e Only		
Relinquish	ned by: (Signatu	re)	Date	4.24	2245	Received by: (Signature)		156	14	Time	100	2			<u>T1</u>				T2	_		T3	
Relinquish	ned by: (Signatu	re)	Date		Time	Received by: (Signature	Dat	te		Time						5 Ten			4				
	trix: S - Soil, Sd - S							ntainer															
						r arrangements are made. Has										e clier	nt exp	ense.	The rep	oort f	for the analy	sis of the	above





Printed: 6/6/2024 4:51:42PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/05/24	12:00	Work Order ID:	E406027
Phone:	(972) 371-5200	Date Logged In:	06/04/24	18:08	Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	06/12/24	17:00 (5 day TAT)		
CI :	1G + 1 (COC)					
	Custody (COC)		37			
	he sample ID match the COC? he number of samples per sampling site location mate	ch the COC	Yes			
	samples dropped off by client or carrier?	in the COC	Yes	0 . 0 .		
	ne COC complete, i.e., signatures, dates/times, request	ted analysees?	Yes Yes	Carrier: Courier		
	all samples received within holding time?	ica anaryses:	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		103		Comment	ts/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes <u>C</u>			
Sample	<u>Container</u>					
	iqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La						
	field sample labels filled out with the minimum info	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pro-	eserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved me	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	s, does the COC specify which phase(s) is to be analyst	zed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborator	y?	No			
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab: NA		
Client I	nstruction					
CHERT	<u>nisti detion</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406045

Job Number: 23003-0002

Received: 6/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/12/24

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

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

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

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

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

Date Reported: 6/12/24

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

Project Name: Dagger State TB

Workorder: E406045

Date Received: 6/6/2024 9:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2024 9:00:56AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS79-1'	6
FS78-1'	7
FS77-1'	8
FS76-1'	9
FS75-1'	10
FS74-1'	11
FS73-1'	12
FS72-1'	13
FS71-1'	14
FS70-1'	15
FS69-1'	16
FS68-1'	17
FS67-1'	18
FS66-1'	19
FS65-1'	20
FS63-1'	21
FS62-1'	22
FS61-1'	23
FS60-1'	24
FS59-1'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo06/12/24 17:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS79-1'	E406045-01A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS78-1'	E406045-02A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS77-1'	E406045-03A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS76-1'	E406045-04A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS75-1'	E406045-05A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS74-1'	E406045-06A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS73-1'	E406045-07A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS72-1'	E406045-08A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS71-1'	E406045-09A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS70-1'	E406045-10A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS69-1'	E406045-11A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS68-1'	E406045-12A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS67-1'	E406045-13A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS66-1'	E406045-14A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS65-1'	E406045-15A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS63-1'	E406045-16A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS62-1'	E406045-17A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS61-1'	E406045-18A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS60-1'	E406045-19A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS59-1'	E406045-20A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS79-1' E406045-01

		E400043-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		104 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS78-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		105 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS77-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		103 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS76-1'

E406045-0	14
-----------	----

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		107 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	· · · · · · · · · · · · · · · · · · ·



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS75-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		110 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS74-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		113 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS73-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		106 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS72-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	Analyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		107 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS71-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2423117	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		105 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2423141
·	ND			06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS70-1'

		E406045-10				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
o,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		103 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2423141
Chloride	20.1	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS69-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		105 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2423141
Chloride	22.7	20.0	1	06/07/24	06/10/24	•



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS68-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		109 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2423141
	ND			06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS67-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		109 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	_



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS66-1'

	D .:				
D 1		D'I -	D 1	A 1 1	NI 4
Kesult	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2423088
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0500	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
	91.6%	70-130	06/06/24	06/08/24	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2423088
ND	20.0	1	06/06/24	06/08/24	
	97.9 %	70-130	06/06/24	06/08/24	
mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2423117
ND	25.0	1	06/06/24	06/11/24	
ND	50.0	1	06/06/24	06/11/24	
	108 %	50-200	06/06/24	06/11/24	
mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2423141
	·	·		·	
	ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MD 20.0 97.9 % mg/kg ND 25.0 ND 50.0 108 %	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0 1 97.9 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 108 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg 70-130 06/06/24 mg/kg mg/kg Analyst: IV ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 ND 50.0 1 06/06/24 ND 50.0 1 06/06/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/06/24 06/08/24 ND 0.0500 1 06/06/24 06/08/24 ND 0.0250 1 06/06/24 06/08/24 MD 0.0250 1 06/06/24 06/08/24 MD 70-130 06/06/24 06/08/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/06/24 06/08/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 06/11/24 ND 50.0 1 06/06/24 06/11/24 ND 50.0 1 06/06/24 06/11/24



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS65-1'

		2.000.0				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepared	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/08/24	
Toluene	0.0276	0.0250	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		107 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS63-1'

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: IY		Batch: 2423088
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0500	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
	91.8 %	70-130	06/06/24	06/08/24	
mg/kg	mg/kg	An	alyst: IY		Batch: 2423088
ND	20.0	1	06/06/24	06/08/24	
	97.5 %	70-130	06/06/24	06/08/24	
mg/kg	mg/kg	An	alyst: NV		Batch: 2423117
ND	25.0	1	06/06/24	06/11/24	
ND	50.0	1	06/06/24	06/11/24	
	108 %	50-200	06/06/24	06/11/24	
mg/kg	mg/kg	An	alyst: WF		Batch: 2423141
	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 97.5 % mg/kg MD 25.0 ND 50.0 108 %	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 91.8 % 70-130 mg/kg mg/kg An ND 20.0 1 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 108 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 ND 25.0 1 06/06/24 ND 50.0 1 06/06/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/06/24 06/08/24 ND 0.0500 1 06/06/24 06/08/24 ND 0.0250 1 06/06/24 06/08/24 MB/kg 70-130 06/06/24 06/08/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/06/24 06/08/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 06/11/24 ND 50.0 1 06/06/24 06/11/24 ND 50.0 1 06/06/24 06/11/24



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS62-1'

		D 4:				
	D 1:	Reporting	D'1 -:	ъ. 1		3 7 .
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		110 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	·



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS61-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/08/24	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		104 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS60-1'

		2.000.6.15				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Emit	Dilution	Trepared	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2423088
Benzene	ND	0.0250	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2423088
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2423117
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/11/24	
Surrogate: n-Nonane		108 %	50-200	06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2423141
Chloride	ND	20.0	1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2024 5:26:37PM

FS59-1'

	D				
Result		Dilution	Prepared	Analyzed	Notes
Result	Lillit	Dilution	1 repared	Analyzeu	ivotes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
ND	0.0500	1	06/06/24	06/08/24	
ND	0.0250	1	06/06/24	06/08/24	
	93.2 %	70-130	06/06/24	06/08/24	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2423088
ND	20.0	1	06/06/24	06/08/24	
	97.4 %	70-130	06/06/24	06/08/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2423117
ND	25.0	1	06/06/24	06/11/24	
ND	50.0	1	06/06/24	06/11/24	
	110 %	50-200	06/06/24	06/11/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2423141
	ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 93.2 % mg/kg MD 20.0 97.4 % mg/kg ND 25.0 ND 50.0 110 %	Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Anal ND 20.0 1 Mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 110 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: IV ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 ND 25.0 1 06/06/24 ND 50.0 1 06/06/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/06/24 06/08/24 ND 0.0500 1 06/06/24 06/08/24 ND 0.0250 1 06/06/24 06/08/24 Mg/kg mg/kg Analyst: IY ND 20.0 1 06/06/24 06/08/24 Mg/kg mg/kg Analyst: IY ND 06/08/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 06/11/24 ND 25.0 1 06/06/24 06/11/24 06/11/24 ND 50.0 1 06/06/24 06/11/24 ND 50.0 1 06/06/24 06/11/24



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Dagger State TB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 6/12/2024 5:26:37PM **Volatile Organics by EPA 8021B** Analyst: IY RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2423088-BLK1) Prepared: 06/06/24 Analyzed: 06/07/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.36 8.00 92.0 70-130 LCS (2423088-BS1) Prepared: 06/06/24 Analyzed: 06/07/24 4.81 5.00 96.2 70-130 0.0250 Benzene Ethylbenzene 4.65 0.0250 5.00 93.1 70-130 4.75 95.0 70-130 0.0250 5.00 Toluene 92.9 70-130 o-Xylene 4.65 0.0250 5.00 9.45 0.0500 10.0 94.5 70-130 p,m-Xylene 14.1 94.0 70-130 0.0250 15.0 Total Xylenes

Matrix Spike (2423088-MS1)				Source:	E406045-0)1	Prepared: 06/06/24 Analyzed: 06/07/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63-131	
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130	

8.00

7.32

91.5

70-130

Matrix Spike Dup (2423088-MSD1)					Source: E406045-01			Prepared: 06/06/24 Analyzed: 06/07/24		
Benzene	4.83	0.0250	5.00	ND	96.6	54-133	0.208	20		
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	61-133	0.567	20		
Toluene	4.77	0.0250	5.00	ND	95.4	61-130	0.368	20		
o-Xylene	4.65	0.0250	5.00	ND	93.1	63-131	0.324	20		
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	63-131	0.561	20		
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131	0.483	20		
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.8	70-130				

Matrix Spike Dup (2423088-MSD2)

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

47.5

7.94

20.0

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/12/20245:26:37PM

Dallas TX, 75240		Project Manager	r: As	hley Gioveng	50			6	12/2024 5:26:37P
	Non	halogenated (Organics l	oy EPA 801	15D - Gl	RO			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 (2423088-BLK1)							Prepared: 0	6/06/24 Ana	lyzed: 06/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.6	70-130			
LCS (2423088-BS2)							Prepared: 0	5/06/24 Ana	lyzed: 06/07/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			
Matrix Spike (2423088-MS2)				Source:	E406045-	01	Prepared: 0	6/06/24 Ana	lyzed: 06/07/24
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

50.0

8.00

Source: E406045-01

94.9

99.2

ND



Prepared: 06/06/24 Analyzed: 06/07/24

20

1.82

70-130

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/12/2024 5:26:37PM

<u> </u>		, ,		, ,					
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423117-BLK1)							Prepared: 0	6/06/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.6		50.0		111	50-200			
LCS (2423117-BS1)							Prepared: 0	6/06/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	271	25.0	250		109	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			
Matrix Spike (2423117-MS1)				Source:	E406045-	07	Prepared: 0	6/06/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike Dup (2423117-MSD1)				Source:	E406045-0	07	Prepared: 0	6/06/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	1.94	20	
Gurrogate: n-Nonane	53.7		50.0		107	50-200			



Chloride

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	agger State TF 8003-0002 shley Gioveng					Reported: 6/12/2024 5:26:37PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423141-BLK1)							Prepared: 0	6/07/24 A	nalyzed: 06/10/24
Chloride	ND	20.0							
LCS (2423141-BS1)							Prepared: 0	6/07/24 A	nalyzed: 06/10/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2423141-MS1)				Source:	E406045-	03	Prepared: 0	6/07/24 A	nalyzed: 06/10/24
Chloride	270	20.0	250	ND	108	80-120			
Matrix Spike Dup (2423141-MSD1)				Source:	E406045-)3	Prepared: 0	6/07/24 A	nalyzed: 06/10/24

250

20.0

80-120

0.244

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Dagger State TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/12/24 17:26

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Ś
Ψ_
0
_
$\overline{}$
ŝ
.,
ge
D
ď
٠.
ட

Client: N	<u> 1atador Proc</u>	duction C	ompany		1	В	ill To				Lal	b Us	e On	ly 🗀					ΓΑΤ		EPA Pr	rogram
Project:	Dagger	State TB			Att	ention: Ensolum	LLC			WO#			Job I				D 21	30	S	tandard	CWA	SDWA
Project N	lanager: As	hley Giov	engo		Ad	dress: on file			EC	Ю	M				300					Х		
<u>Address:</u>	3122 Natio	<u>nal Parks</u>	Hwy		Cit	y, State, Zip:							Analy	sis a	nd Me	thod						RCRA
City, Stat	e, Zip: Carls	bad NM,	88220		Ph:	one: 575-988-005	55			à	T				1 1							
Phone: !	<u>75-988-005</u>	5			<u> Em</u>	ail: agiovengo@e	nsolum.com			80	ļ				1 1	l i					State	
	giovengo@e	nsolum.c	om		_					RO/	72	9	ا ہ ا	300.0			፮	×	1	NM CO	UT AZ	TX
Report d	ue by:								1	J/0	y 802	, 8260	8	le 30	Į			-	1	×		Ш
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	втех ь	VOC by	Metals 6010	Chloride	TCEQT		BGD0C	go			Remarks	
10:01	6/4/2024	Soil	1			FS79 - 1'		1									x _					
9:59	6/4/2024	Soil	1			FS78 - 1'		2									x					
10:02	6/4/2024	Soil	1			FS77 - 1'		3									x					
10:04	6/4/2024	Soil	1			FS76 - 1'		4									x					
10:06	6/4/2024	Soil	1			FS75 - 1'		5									x					
10:11	6/4/2024	Soil	1			FS74 - 1'		6									х					
10:07	6/4/2024	Soil	1			FS73 - 1'		7									x					
10:09	6/4/2024	Soil	1			FS72 - 1'		8									x					
10:12	6/4/2024	Soil	1			FS71 - 1'		9									x					
10:26	6/4/2024	Soil	1			FS70 - 1'		10									х					
Addition	al Instructio	ns: Ple	ase CC: cl	burton@er	nsolum.com	, agiovengo@ens	olum.com, cha	milton@e	nsol	ım.co	om, e	haft	t@en	solu	ım.co	m, ies	trella	@en	solun	n.com		
, (field sam	pler), attest to th	e validity an	d authentici	ty of this samp	le. I am aware t	hat tampering with or in	tentionally mislabelli	ng the sample	e locati	on,					-	-				d on ice the day		oled or
date or time	of collection is o	onsidered f	raud and ma	y be grounds f	or legal action.	Sampled	by:						receive	ed pack	ked in ice	at an av	temp a	bove 0 b	ut less ti	nan 6 °C on subs	equent days.	
كأسكر	ed by: (Signatu	St-		15/24	Fime 9:21	Michelle (700grles	Date 6-5-3	24	Time	921		Rece	eive	d on i	ce: (Jab Y)	Use (Only			
Relinguish Vic	ed by: (Signatu helle G	re) onzale	Date	5.24	1650	Received by: (Signa	ture)		<u> ૧૫</u>		<u>65</u>	50	<u>T1</u>]	<u></u>			<u>T3</u>		
Relinquish	ed by: (Signatu	re)	Date		Time VYOC	Received by: (Signa	ture)	Date	24	Ö	\mathcal{X}	•		Ten	np °C		<u> </u>					
	rix: S - Soil, Sd - S		idge, A - Aqu	eous, O - Othe	er	CAL C	1	Containe								ambe	glass	, v - V	DA			
						er arrangements are n										he clier	t expe	ense.	he re	oort for the a	inalysis of t	the above
samples is	applicable only	to those s	amples rec	eived by the	laboratory wit	h this COC. The liabilit	y of the laborator	/ is limited t	o the	amour	nt paid	for	on the	repo	ort.							
													(ノ			\	~		i r 4	~ ‡	the above
														_		t	7	ſ	V	11(ノし	てし
																_		_	_	`		



	1	m	
_	0	'n	t
_	-	ė	į
		Ò	i
		é	١
		ź	
		2	
		7	
		5	
		Ĺ	
	,	2	
	1	₹	
		C	
		,	
		-	
		5	
		C	
		Ť	
		`	Ī
		L	
		7	•
		b	١
		\$	
		ĥ	1
		4	ļ
		۰	
		٠	
		4	1
		Ŀ	
		ř	
		ă	
		4	۱
		40	ì
		۲	
		3	į

Page 32 of 33

Client: N	/latador Prod	luction C	ompany			Bill To		1		La	b Us	e On	ly		T			T/	AT		EPA P	rogram
Project:	Dagger	State TB			Att	ention: Ensolum LLC		Lab	WQ#	ΔI			Numb			1D	2D	3D	Sta	andard	CWA	SDWA
Project N	/lanager: Asi	hley Giov	engo		Add	dress: on file		<u> IEC</u>	EX				公			1				Х		
	3122 Natio					y, State, Zip:						Analy	sis an	d Me	thod							RCRA
City, Stat	e, Zip: Carls	<u>bad NM,</u>	88220		Pho	one: 575-988-0055		4	<u>ā</u>				- 1	1	1							
Phone:	575-988-005	5			<u>Em</u>	Email: agiovengo@ensolum.com			OSO						H		l				State	
Email: a	giovengo@e	<u>nsolum.c</u>	om						, 20	ដ	0		0.0			ξ	ĺ	논		им со	UT AZ	TX
Report d	ue by:							1	0/0	8	826	601	e 3	됩				1		×		
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		верос		2005			Remarks	
10:14	6/4/2024	Soil	1			FS69 - 1'	11			_						x						
10:16	6/4/2024	Soil	1			FS68 - 1'	12									x						
10:25	6/4/2024	Soil	1			FS67 - 1'	13									x						
10:27	6/4/2024	Soil	1			FS66 - 1'	ાપ									x						
10:29	6/4/2024	Soil	1			FS65 - 1'	15									x						
10:24	6/4/2024	Soil	1			FS63 - 1'	16									x						
10:18	6/4/2024	Soil	1			FS62 - 1'	I									x						
10:19	6/4/2024	Soil	1			FS61 - 1'	18									x						
10:20	6/4/2024	Soil	1			FS60 - 1'	19									x						
10:22	6/4/2024	Soil	1			FS59 - 1'	20									x						
Addition	al Instructio	ns: Ple	ase CC: cl	ourton@e	nsolum.com	, agiovengo@ensolum.com	, chamilton@	ensol	um.c	om, e	hafi	t@en	soluı	n.co	m, ie	stre	lla@	ensc	olum	.com		
1.,	pler), attest to the	•		•		hat tampering with or intentionally mi Sampled by:	islabelling the samp	le locat	ion,					-							y they are samp sequent days.	oled or
Relinquish	ed by: (Signatur	re)	Date	15/24	Time 9:21	Refleved by: (Signature)	les 650	4	Time	î21		Rece	eived	on ic	:e:		ab U:	se Or	ıly		-	-
	ed by Signatu helle		# -	5.24	Time	Received by: (Signature)	Date C.S.	24	Time	<u>65</u>	D	<u>T1</u>			_ :	<u> </u>			<u> </u>	<u>T3</u>		
Relinquish	ed by: (Signatu	re)	Date	5.24	Time 2400	Received by: (Signature)	Pate	24	9	α)	AVG	Tem	p °C_	<u> </u>	Ł						:
Sample Ma	trix: S - Soil, Sd - S	iolid, Sg - Slu				- Am	Contain	r Typ	e: g -	glass,	p - p	oly/p	lastic	ag -	ambe	er gl	ass, v	- VO	A			
Note: Sam	ples are discard	led 30 days	s after resu	Its are repor	ted unless othe	er arrangements are made. Haza	rdous samples wi	l be re	turne	d to cl	ent c	r disp	osed c	f at th	ne clie	nt e	xpens	e. Th	ne rep	ort 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.

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

Printed: 6/7/2024 1:09:14PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/06/24	09:00	Work Order ID:	E406045
Phone:	(972) 371-5200	Date Logged In:	06/05/24	20:27	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	06/12/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	e number of samples per sampling site location mat	ch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Couier	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		Yes		<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)			[
	COC indicate standard TAT, or Expedited TAT?		Yes		Due to high sample vo	lume project Dagger
Sample C	Cooler				State TB has been sepa	arated into multiple
_	sample cooler received?		Yes		WO E406045 and E40	•
8. If yes,	was cooler received in good condition?		Yes		WO E 1000 13 and E 10	0010.
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?		NA NA			
•	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>			
Sample C	Container	_				
	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes			
Field Lab	<u>oel</u>					
20. Were	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	·		
	ollectors name?		No			
	reservation the COC or field labels indicate the samples were pr	ocomiod?	No			
	imple(s) correctly preserved?	esci ved:				
	filteration required and/or requested for dissolved m	etals?	NA No			
		cuis.	110			
	se Sample Matrix	.a9	3.7			
	the sample have more than one phase, i.e., multiphase		No			
-	does the COC specify which phase(s) is to be analy	zcu:	NA			
	act Laboratory					
20 4	amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab	o: NA	
	subcontract laboratory specified by the elicit and if					

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406046

Job Number: 23003-0002

Received: 6/6/2024

Revision: 5

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/24

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

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

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

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

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

Date Reported: 6/20/24

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

Project Name: Dagger State TB

Workorder: E406046

Date Received: 6/6/2024 9:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2024 9:00:56AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
FS57-1'	8
FS56-1'	9
FS55-1'	10
FS54-1'	11
FS53-1'	12
FS52-1'	13
FS51-1'	14
FS50-1'	15
FS49-1'	16
FS47-1'	17
FS46-1'	18
FS44-1'	19
FS43-1'	20
FS42-1'	21
FS41-1'	22
FS40-1'	23
FS39-1'	24
FS38-1'	25
FS36-1'	26
FS34-1'	27
FS29-1'	28

Table of Contents (continued)

QC Summary Data	29
QC - Volatile Organic Compounds by EPA8260B	29
QC - Volatile Organics by EPA 8021B	30
QC - Nonhalogenated Organics by EPA 8015D - GRO	31
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	33
QC - Anions by EPA 300.0/9056A	36
Definitions and Notes	38
Chain of Custody etc.	39

Sample Summary

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo06/20/24 14:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS58-1'	E406046-01A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS57-1'	E406046-02A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS56-1'	E406046-03A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS55-1'	E406046-04A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS54-1'	E406046-05A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS53-1'	E406046-06A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS52-1'	E406046-07A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS51-1'	E406046-08A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS50-1'	E406046-09A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS49-1'	E406046-10A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS47-1'	E406046-11A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS46-1'	E406046-12A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS44-1'	E406046-13A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS43-1'	E406046-14A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS42-1'	E406046-15A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS41-1'	E406046-16A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS40-1'	E406046-17A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS39-1'	E406046-18A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS38-1'	E406046-19A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS36-1'	E406046-20A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS34-1'	E406046-21A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
FS29-1'	E406046-22A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.



Case Narative:

Project Name: Dagger State TB

Workorder: E406046

Date Received: 06-06-2024

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

Sample Name

<u>Laboratory ID</u>

Analysis

FS44-1'

E406046-13

Nonhalogenated Organics by EPA 8015D- DRO/ORO

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

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

Respectfully,

Walter Hinchman

Matador Resources, LLC		Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite	1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS58-1'

		E406046-01					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: F	RKS		Batch: 2423089
Benzene	ND	0.0250		1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250		1	06/06/24	06/07/24	
Toluene	ND	0.0250		1	06/06/24	06/07/24	
o-Xylene	ND	0.0250		1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500		1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250		1	06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		98.2 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: F	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		104 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		98.2 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: k	CM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0		1	06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/06/24	06/10/24	
Surrogate: n-Nonane		109 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: V	VF		Batch: 2423143
Chloride	ND	20.0	<u> </u>	1	06/07/24	06/10/24	



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/2024 2:51:26PM

FS57-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250	1		06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1		06/06/24	06/07/24	
Toluene	ND	0.0250	1		06/06/24	06/07/24	
o-Xylene	ND	0.0250	1		06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1		06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1		06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		99.6 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		99.6 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1		06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1		06/06/24	06/10/24	
Surrogate: n-Nonane		114 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	WF		Batch: 2423143
	29.7	20.0	1		06/07/24	06/10/24	



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/2024 2:51:26PM

FS56-1'

		2.000.000					
Austra	Dk	Reporting			Durand	A	Nister
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2423089
Benzene	ND	0.0250		1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250		1	06/06/24	06/07/24	
Toluene	ND	0.0250		1	06/06/24	06/07/24	
o-Xylene	ND	0.0250		1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500		1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250		1	06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		98.3 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2423089	
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		98.3 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0		1	06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/06/24	06/10/24	
Surrogate: n-Nonane		112 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2423143
Chloride	41.5	20.0		1	06/07/24	06/10/24	



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/2024 2:51:26PM

FS55-1'

	Reporting					
Result	Limit	Dil	lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
ND	0.0250		1	06/06/24	06/07/24	
ND	0.0250		1	06/06/24	06/07/24	
ND	0.0250		1	06/06/24	06/07/24	
ND	0.0250		1	06/06/24	06/07/24	
ND	0.0500		1	06/06/24	06/07/24	
ND	0.0250		1	06/06/24	06/07/24	
	103 %	70-130		06/06/24	06/07/24	
	98.6 %	70-130		06/06/24	06/07/24	
	97.5 %	70-130		06/06/24	06/07/24	
mg/kg	mg/kg		Analyst: RKS		Batch: 2423089	
ND	20.0		1	06/06/24	06/07/24	
	103 %	70-130		06/06/24	06/07/24	
	98.6 %	70-130		06/06/24	06/07/24	
	97.5 %	70-130		06/06/24	06/07/24	
mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
ND	25.0	•	1	06/06/24	06/10/24	_
ND	50.0		1	06/06/24	06/10/24	
	113 %	50-200		06/06/24	06/10/24	
mg/kg	mg/kg		Analyst:	WF		Batch: 2423143
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I03 % 98.6 % 97.5 % mg/kg ND 20.0 I03 % 98.6 % 97.5 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I03 % 70-130 98.6 % 70-130 97.5 % 70-130 mg/kg mg/kg ND 20.0 103 % 70-130 98.6 % 70-130 97.5 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 103 % 70-130 98.6 % 70-130 97.5 % 70-130 mg/kg mg/kg Analyst 103 % 70-130 98.6 % 70-130 97.5 % 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1	mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 ND 70-130 06/06/24 98.6 % 70-130 06/06/24 97.5 % 70-130 06/06/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/06/24 98.6 % 70-130 06/06/24 98.6 % 70-130 06/06/24 97.5 % 70-130 06/06/24 97.5 % 70-130 06/06/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/06/24 ND 50.0 1 06/06/24	mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/06/24 06/07/24 ND 0.0500 1 06/06/24 06/07/24 ND 0.0250 1 06/06/24 06/07/24 ND 0.0250 1 06/06/24 06/07/24 98.6 % 70-130 06/06/24 06/07/24 97.5 % 70-130 06/06/24 06/07/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/06/24 06/07/24 98.6 % 70-130 06/06/24 06/07/24 98.6 % 70-130 06/06/24 06/07/24 97.5 % 70-130 06/06/24 06/07/24 97.5 % 70-130 06/06/24 06/07/24 mg/kg mg/kg Ana



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/20242:51:26PM

FS54-1'

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: R	KS		Batch: 2423089
Benzene	ND	0.0250	1		06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1		06/06/24	06/07/24	
Toluene	ND	0.0250	1		06/06/24	06/07/24	
o-Xylene	ND	0.0250	1		06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1		06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1		06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		100 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		98.4 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		100 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		98.4 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: K	M		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1		06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1		06/06/24	06/10/24	
Surrogate: n-Nonane		110 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: W	/F		Batch: 2423143



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/2024 2:51:26PM

FS53-1'

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2423089
Benzene	0.0265	0.0250		1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250		1	06/06/24	06/07/24	
Toluene	0.0485	0.0250		1	06/06/24	06/07/24	
o-Xylene	ND	0.0250		1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500		1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250		1	06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		99.3 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2423089	
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/06/24	06/07/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		06/06/24	06/07/24	
Surrogate: Toluene-d8		99.3 %	70-130		06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0		1	06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/06/24	06/10/24	
Surrogate: n-Nonane		109 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2423143
Chloride	42.7	20.0		1	06/07/24	06/10/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS52-1'

	D 1	Reporting	P."	<i>.</i> ·	D 1		N
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250	1	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.2 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.2 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	27.9	25.0	1	1	06/06/24	06/10/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/06/24	06/10/24	
Surrogate: n-Nonane		110 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143
Chloride	20.9	20.0	1		06/07/24	06/10/24	



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/20242:51:26PM

FS51-1'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250		1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250		1	06/06/24	06/08/24	
Toluene	ND	0.0250		1	06/06/24	06/08/24	
o-Xylene	ND	0.0250		1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500		1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	Ī	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene	·	103 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.3 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.3 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	29.5	25.0		1	06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/06/24	06/10/24	
Surrogate: n-Nonane		115 %	50-200		06/06/24	06/10/24	
A ' 1 EDA 200 0/005/A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143
Anions by EPA 300.0/9056A	0 0	<u> </u>					



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS50-1'

E406046-09									
		Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089		
Benzene	ND	0.0250		1	06/06/24	06/08/24			
Ethylbenzene	ND	0.0250		1	06/06/24	06/08/24			
Toluene	ND	0.0250		1	06/06/24	06/08/24			
o-Xylene	ND	0.0250		1	06/06/24	06/08/24			
p,m-Xylene	ND	0.0500		1	06/06/24	06/08/24			
Total Xylenes	ND	0.0250		1	06/06/24	06/08/24			
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/08/24			
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130		06/06/24	06/08/24			
Surrogate: Toluene-d8		98.9 %	70-130		06/06/24	06/08/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2423089		
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/06/24	06/08/24			
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/08/24			
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130		06/06/24	06/08/24			
Surrogate: Toluene-d8		98.9 %	70-130		06/06/24	06/08/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KM		Batch: 2423118		
Diesel Range Organics (C10-C28)	28.4	25.0	•	1	06/06/24	06/10/24	_		
Oil Range Organics (C28-C36)	ND	50.0		1	06/06/24	06/10/24			
Surrogate: n-Nonane		110 %	50-200		06/06/24	06/10/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143		

20.0

06/07/24

06/11/24

33.3



Chloride

Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/2024 2:51:26PM

FS49-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2423089
Benzene	ND	0.0250	1		06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	Į.	06/06/24	06/08/24	
Toluene	ND	0.0250	1		06/06/24	06/08/24	
o-Xylene	ND	0.0250	1		06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1		06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1		06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.6 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.6 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg		Analyst: KM			Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1		06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/06/24	06/10/24	
Surrogate: n-Nonane		112 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF			Batch: 2423143
Amons by ETA 500.0/7050A							



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS47-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2423089	
Benzene	ND	0.0250	1		06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	l	06/06/24	06/08/24	
Toluene	ND	0.0250	1		06/06/24	06/08/24	
o-Xylene	ND	0.0250	1		06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1		06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1		06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.0 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.0 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg Analyst: KM		KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1		06/06/24	06/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/06/24	06/10/24	
Surrogate: n-Nonane		111 %	50-200		06/06/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF			Batch: 2423143
11110113 by E11100010/700011							

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS46-1'

E406046-12

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2423089
Benzene	ND	0.0250		1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250		1	06/06/24	06/08/24	
Toluene	ND	0.0250		1	06/06/24	06/08/24	
o-Xylene	ND	0.0250		1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500		1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250		1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		99.1 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		99.1 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0		1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/06/24	06/11/24	
Surrogate: n-Nonane		110 %	50-200		06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2423143
· · · · · · · · · · · · · · · · · · ·	22.2	20.0			06/07/24	06/11/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS44-1'

E406046-13

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250	1		06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1		06/06/24	06/08/24	
Toluene	ND	0.0250	1		06/06/24	06/08/24	
o-Xylene	ND	0.0250	1		06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1		06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1		06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.5 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.5 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424053
Diesel Range Organics (C10-C28)	39.0	25.0	1		06/12/24	06/12/24	
Oil Range Organics (C28-C36)	54.5	50.0	1		06/12/24	06/12/24	
Surrogate: n-Nonane		115 %	50-200		06/12/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	<u>.</u>	Analyst:	WF		Batch: 2423143
	47.4	20.0	1		06/07/24	06/11/24	



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/20/20242:51:26PM

FS43-1'

E406046-14

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250	1	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		100 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.5 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		100 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.5 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/06/24	06/11/24	
Surrogate: n-Nonane		109 %	50-200		06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS42-1'

		E406046-15					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250	1	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.6 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.6 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/06/24	06/11/24	
Surrogate: n-Nonane		109 %	50-200		06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143
Chloride	ND	20.0	1	1	06/07/24	06/11/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS41-1'

T 40	10	4	1/
E40	1	16-	. 1 6

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250		1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250		1	06/06/24	06/08/24	
Toluene	ND	0.0250		1	06/06/24	06/08/24	
o-Xylene	ND	0.0250		1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500		1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250		1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.9 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.9 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0		1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/06/24	06/11/24	
Surrogate: n-Nonane		109 %	50-200		06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS40-1'

E406046-17 Reporting Analyte Limit Dilution Result Prepared Analyzed Notes Analyst: RKS Batch: 2423089 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 06/08/24 ND 0.0250 06/06/24 Benzene 1 06/06/24 06/08/24 Ethylbenzene ND 0.0250ND 0.0250 06/06/24 06/08/24 Toluene 1 06/06/24 06/08/24 o-Xylene ND 0.025006/06/24 06/08/24 ND 0.0500 p,m-Xylene 06/06/24 06/08/24 1 Total Xylenes ND 0.0250 06/06/24 06/08/24 Surrogate: Bromofluorobenzene 102 % 70-130 06/08/24 Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 06/06/24 Surrogate: Toluene-d8 97.0 % 70-130 06/06/24 06/08/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2423089 ND 1 06/06/24 06/08/24 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 102 % 06/06/24 06/08/24 70-130 102 % 06/08/24 Surrogate: 1,2-Dichloroethane-d4 70-130 06/06/24 Surrogate: Toluene-d8 06/06/24 06/08/24 97.0 % 70-130 mg/kg Analyst: KM Batch: 2423118 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 06/11/24 ND 25.0 1 06/06/24 Diesel Range Organics (C10-C28) ND 50.0 1 06/06/24 06/11/24 Oil Range Organics (C28-C36) 110 % 50-200 06/06/24 06/11/24 Surrogate: n-Nonane Analyst: WF Anions by EPA 300.0/9056A mg/kg mg/kg Batch: 2423143

20.0

ND

06/07/24

06/11/24



Chloride

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS39-1'

E406046-18

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250	1	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.1 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.1 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/06/24	06/11/24	
Surrogate: n-Nonane		111 %	50-200		06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS38-1'

		E406046-19					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250	1	1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/08/24	
Toluene	ND	0.0250	1	1	06/06/24	06/08/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.6 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		104 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		98.6 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423118
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/06/24	06/11/24	
Surrogate: n-Nonane		111 %	50-200		06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2423143
Chloride	ND	20.0	1	1	06/07/24	06/11/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS36-1' E406046-20

		E400040-20					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dill	шин	Frepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2423089
Benzene	ND	0.0250		1	06/06/24	06/08/24	
Ethylbenzene	ND	0.0250		1	06/06/24	06/08/24	
Toluene	ND	0.0250		1	06/06/24	06/08/24	
o-Xylene	ND	0.0250		1	06/06/24	06/08/24	
p,m-Xylene	ND	0.0500		1	06/06/24	06/08/24	
Total Xylenes	ND	0.0250		1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.8 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2423089
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	06/06/24	06/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		06/06/24	06/08/24	
Surrogate: Toluene-d8		97.8 %	70-130		06/06/24	06/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2423118
Diesel Range Organics (C10-C28)	25.7	25.0		1	06/06/24	06/11/24	
Oil Range Organics (C28-C36)	50.6	50.0	İ	1	06/06/24	06/11/24	
Surrogate: n-Nonane		112 %	50-200		06/06/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: WF		Batch: 2423143
Chloride	31.9	20.0		1	06/07/24	06/11/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS34-1'

E406046-21

		Reporting				
Analyte	Result	Limit	Diluti	on Prepar	red Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2423087
Benzene	ND	0.0250	1	06/06/	24 06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/	24 06/07/24	
Toluene	ND	0.0250	1	06/06/	24 06/07/24	
o-Xylene	ND	0.0250	1	06/06/	24 06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/	24 06/07/24	
Total Xylenes	ND	0.0250	1	06/06/	24 06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/06/	/24 06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2423087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/	24 06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	06/06/	/24 06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2423116
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/	24 06/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/	24 06/08/24	
Surrogate: n-Nonane		94.7 %	50-200	06/06/	24 06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2423133
Chloride	30.8	20.0	1	06/07/	24 06/07/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

FS29-1'

E406046-22

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2423087
Benzene	ND	0.0250	1	06/06/24	06/07/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/07/24	
Toluene	ND	0.0250	1	06/06/24	06/07/24	
o-Xylene	ND	0.0250	1	06/06/24	06/07/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/07/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/07/24	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2423087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.4 %	70-130	06/06/24	06/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2423116
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/24	06/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/24	06/08/24	
Surrogate: n-Nonane		94.4 %	50-200	06/06/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2423133



Matador Resources, LLC. Project Name: Dagger State TB Seported:

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

Dallas TX, 75240 Project Manager: Ashley Giovengo 6/20/2024 2:51:26PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/20	J/2024 2:51:26PM
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В		A	analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423089-BLK1)							Prepared:	06/06/24 Ana	alyzed: 06/07/24
Benzene	ND	0.0250					1		
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: 1,2-Dictioroeinane-u4 Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2423089-BS1)							Prepared:	06/06/24 Ana	alyzed: 06/07/24
Benzene	2.41	0.0250	2.50		96.3	70-130	1		<u>,</u>
Ethylbenzene	2.49	0.0250	2.50		99.5	70-130			
Foluene	2.36	0.0250	2.50		94.3	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
o,m-Xylene	5.11	0.0500	5.00		102	70-130			
Total Xylenes	7.68	0.0250	7.50		102	70-130			
·	0.515	0.0230	0.500		103	70-130			
Surrogate: Bromofluorobenzene									
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			
Matrix Spike (2423089-MS1)				Sourc	e: E40604	6-03	Prepared:	06/06/24 Ana	alyzed: 06/07/24
Benzene	2.50	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135			
Toluene	2.46	0.0250	2.50	ND	98.5	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.57	0.0500	5.00	ND	111	43-135			
Total Xylenes	8.37	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			
Matrix Spike Dup (2423089-MSD1)				Sourc	e: E40604	6-03			alyzed: 06/07/24
Benzene	2.49	0.0250	2.50	ND	99.6	48-131	0.421	23	
Ethylbenzene	2.58	0.0250	2.50	ND	103	45-135	1.71	27	
Toluene	2.43	0.0250	2.50	ND	97.1	48-130	1.37	24	
o-Xylene	2.76	0.0250	2.50	ND	110	43-135	1.42	27	
p,m-Xylene	5.47	0.0500	5.00	ND	109	43-135	1.86	27	
Total Xylenes	8.23	0.0250	7.50	ND	110	43-135	1.71	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
			0.500		00.2	50 120			



0.500

98.2

70-130

0.491

Surrogate: Toluene-d8

Dagger State TB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 6/20/2024 2:51:26PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2423087-BLK1) Prepared: 06/06/24 Analyzed: 06/06/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.41 8.00 92.6 70-130 LCS (2423087-BS1) Prepared: 06/06/24 Analyzed: 06/06/24 4.76 95.2 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.60 0.0250 5.00 91.9 70-130 4.70 0.0250 5.00 94.0 70-130 Toluene o-Xylene 4.58 0.0250 5.00 91.7 70-130 9.33 10.0 93.3 70-130 0.0500 p.m-Xvlene 92.8 13.9 15.0 70-130 Total Xylenes 0.0250 8.00 92.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.39 Matrix Spike (2423087-MS1) Source: E406036-08 Prepared: 06/06/24 Analyzed: 06/06/24 4.67 0.0250 5.00 ND 93.5 54-133 Benzene Ethylbenzene 4.49 0.0250 5.00 ND 89.9 61-133 Toluene 4.60 0.0250 5.00 ND 92.0 61-130 4.49 ND 89.7 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.11 0.0500 10.0 ND 91.1 63-131 13.6 0.0250 15.0 ND 63-131 Total Xylenes Surrogate: 4-Bromochlorobenzene-PID 7.39 8.00 70-130 Matrix Spike Dup (2423087-MSD1) Source: E406036-08 Prepared: 06/06/24 Analyzed: 06/06/24 4.68 0.0250 5.00 ND 93.7 54-133 0.248

4.53

4 62

4.52

9.20

13.7

7.39

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

90.6

92.5

90.4

92.0

91.5

92.4



0.803

0.502

0.731

1.02

0.923

20

20

20

20

20

61-133

61-130

63-131

63-131

63-131

70-130

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

Dallas TX, 75240		Project Manage	r: As	shley Gioven	go			6/	20/2024 2:51:26PM
	Noi	nhalogenated	Organics	by EPA 80	15D - G	RO			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 (2423087-BLK1)							Prepared:	06/06/24 A	nalyzed: 06/06/24
Gasoline Range Organics (C6-C10)	ND	20.0					-		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			
LCS (2423087-BS2)							Prepared:	06/06/24 A	nalyzed: 06/06/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			
Matrix Spike (2423087-MS2)				Sourc	e: E40603	66-08	Prepared:	06/06/24 A	nalyzed: 06/06/24
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.2	70-130			
Matrix Spike Dup (2423087-MSD2)				Sourc	e: E40603	66-08	Prepared:	06/06/24 A	nalyzed: 06/06/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130	3.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			



Surrogate: Toluene-d8

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/20/20242:51:26PM

Dallas TX, 75240		Project Manager:		shley Giovengo	,			6/	20/2024 2:51:26PM
	Non	halogenated (Organics l	by EPA 801:	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423089-BLK1)							Prepared: 06/06/24 Analyzed: 06/07/24		
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2423089-BS2)							Prepared:	06/06/24 Aı	nalyzed: 06/07/24
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.7	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			
Matrix Spike (2423089-MS2)				Source:	E40604	6-03	Prepared:	06/06/24 Aı	nalyzed: 06/07/24
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	87.0	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
Matrix Spike Dup (2423089-MSD2)				Source:	E40604	6-03	Prepared:	06/06/24 Aı	nalyzed: 06/07/24
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	86.0	70-130	1.13	20	
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			

0.500

0.504

101

70-130



Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

RPD Limit %	Analyst: JL
Limit	
%	
	Notes
: 06/06/24	Analyzed: 06/08/24
: 06/06/24	Analyzed: 06/08/24
: 06/06/24	Analyzed: 06/08/24
: 06/06/24	Analyzed: 06/08/24
20	
	: 06/06/24 : 06/06/24 : 06/06/24



Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	-
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

Dallas 1X, /5240		Project Manager	r. As	sniey Gioveng	go			0/20	0/2024 2:51:26PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO		A	Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423118-BLK1)							Prepared:	06/06/24 Ana	alyzed: 06/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	57.2		50.0		114	50-200			
LCS (2423118-BS1)							Prepared:	06/06/24 Ana	alyzed: 06/10/24
Diesel Range Organics (C10-C28)	303	25.0	250		121	38-132			
urrogate: n-Nonane	56.5		50.0		113	50-200			
Matrix Spike (2423118-MS1)				Sourc	e: E40604	6-03	Prepared:	06/06/24 Ana	alyzed: 06/10/24
Diesel Range Organics (C10-C28)	325	25.0	250	ND	130	38-132			
urrogate: n-Nonane	59.4		50.0		119	50-200			
Matrix Spike Dup (2423118-MSD1)				Sourc	e: E40604	6-03	Prepared:	06/06/24 Ana	alyzed: 06/10/24
Diesel Range Organics (C10-C28)	318	25.0	250	ND	127	38-132	2.30	20	
urrogate: n-Nonane	56.0		50.0		112	50-200			



Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	-
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	go			6/20	0/2024 2:51:26PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO		A	analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424053-BLK1)							Prepared:	06/12/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.3		50.0		109	50-200			
LCS (2424053-BS1)							Prepared:	06/12/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	279	25.0	250		111	38-132			
urrogate: n-Nonane	53.1		50.0		106	50-200			
Matrix Spike (2424053-MS1)				Source	e: E40609	7-02	Prepared:	06/12/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	38-132			
urrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike Dup (2424053-MSD1)				Sourc	e: E40609	7-02	Prepared:	06/12/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132	2.97	20	
urrogate: n-Nonane	54.5		50.0		109	50-200			



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger State TB 23003-0002	Reported:				
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/20/2024 2:51:26PM				
1. 1. 1704 200 0/007/1							

Dallas 1X, /5240		Project Manage	r: As	sniey Gioveng	go				6/20/2024 2:51:26PM	
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	
Blank (2423133-BLK1)							Prepared:	06/07/24	Analyzed: 06/07/24	
Chloride	ND	20.0								
LCS (2423133-BS1)							Prepared:	06/07/24	Analyzed: 06/07/24	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2423133-MS1)				Sourc	e: E40605	52-02	Prepared: 06/07/24 Analyzed: 06/07/24			
Chloride	440	20.0	250	148	117	80-120				
Matrix Spike Dup (2423133-MSD1)				Source	e: E40605	52-02	Prepared:	06/07/24	Analyzed: 06/07/24	
Chloride	447	20.0	250	148	120	80-120	1.60	20		



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	23	agger State TI 3003-0002 shley Giovens					Reported: 6/20/2024 2:51:26PM
		Anions	by EPA 3	300.0/9056	4				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423143-BLK1)							Prepared:	06/07/24	Analyzed: 06/10/24
Chloride	ND	20.0							
LCS (2423143-BS1)							Prepared:	06/07/24	Analyzed: 06/10/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2423143-MS1)				Sourc	e: E40604	6-05	Prepared:	06/07/24	Analyzed: 06/10/24
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2423143-MSD1)				Sourc	e: E40604	6-05	Prepared:	06/07/24	Analyzed: 06/10/24
Chloride	273	20.0	250	ND	109	80-120	1.52	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:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/20/24 14:51

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



,		~
	_	_
_		O
		0
		~
		20
		-
		2
		a
		0
		-
		6
	ŧ	-
	1	₹
		_
		_
		\geq
		Ν.
		•
		٠.
		/
		_
		,
		~
		-
		_
		N
		4
		700
		_
		_
		٠.
		4
		N
		٠.
		A
		Ö
		~
		L
		-

4	
₽	
33	
ge	
ğ,	
_	

liont. 84	lotodor Drod	luction C	omnanii			Bill To		Т	-	Lal	Use	Onl	v		1		TA	ī		EPA F	rogra
roiect:	latador Prod	State TB	_		Atten	tion: Ensolum LLC		Lab	WO#			_	, Iumbe	r	1D	2D	3D	Sta	ndard	CWA	SC
	lanager: As					ess: on file		İFil	$\mathcal{O}($	S	Ud.	23	003	<u>300</u>	A				x		
	3122 Natio					State, Zip:					A	nalys	is and	Metho	d						R
	e, Zip: Carls					e: 575-988-0055			<u></u>						I^{-}			\Box			
	75-988-005		JULLU			: agiovengo@ensolum.	com	1	뎵					ı	İ	1		ıſ		State	
	giovengo@e		om		12	. agiovengoe anostani		1	00	_	_		9		Σ			ı [NM CC	UT A	z TX
eport du								1		8	856	90 10 10 10 10 10 10 10 10 10 10 10 10 10	8	Į	1	1	ř		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0	ורפת	верос		2005			Remark	s
10:39	6/4/2024	Soil	1		F	-S58 - 1'									x						
10:47	6/4/2024	Soil	1		F	FS57 - 1'	a								x						
10:45	6/4/2024	Soil	1		F	FS56 - 1'							×								
10:41	6/4/2024	Soil	1		-	P								×							
10:42	6/4/2024	Soil	1			FS54 - 1'	5								×			<u> </u>			
10:43	6/4/2024	Soil	1		-	FS53 - 1'	4								x						
10:51	6/4/2024	Soil	1		1	FS52 - 1'	フ								x						
10:49	6/4/2024	Soil	1			FS51 - 1'	8								x			L			
10:57	6/4/2024	Soil	1			FS50 - 1'	9								×			L			
10:55	6/4/2024	Soil	1			FS49 - 1'	10								×						
ddition	al Instructio	ns: Ple	ase CC: c	burton@ensolu	ım.com, a	agiovengo@ensolum.co	m, chamilton@	ensol	um.c	om, (
				ty of this sample. I a		t tampering with or intentionally Sampled by:	mislabelling the samp	ole loca	tion,						n avg to	emp abo	ve 0 bu	t less th		day they are sa ubsequent day	
	ed by: (Signatu		Date	Time		Policied by: (Benature)	ales bate	<u> </u>	Time	1 21		Rec	eived	on ice:		<u>Lab U</u> Y)/ I		nly			
Mouish	ed by (Signatu	re) marle	Date	Time	50	Received by (agridule)	Date G.S		Time		•	<u>T1</u>							<u>T3</u>		-
elinquisite	ed by: (Signatu	re)	Date		11-5	Received by: (Signature)	Date	hu	Ö	Ω)	AVG	6 Tem	o°C	4	_					



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

Continued and the client expense. The report for the analysis of the above on the report.

3	
	~
_	
	Cont.
	2
	0
	0
•	
	_
	$\overline{}$
	_
	Ν.
	_
	• •
	_
	•
	4
	-
	7
	N
	٠.
	A
	400
	_
	œ
	-
	١,
	1
	_
	-
	~
	3

Page 40 of 45

Client: N	Client: Matador Production Company					Bill To				Lab									T/	AT		EPA Pr	ogram
Project:		State TB	Jinpuny			Attention: Ensolum LLC		li	Lab V	VO#		\Box	Job N	umt	er		1D	2D	3D	Sta	andard	CWA	SDWA
	Nanager: Asl		engo			Address: on file			ĒЧ	Olo	Ω	(0)	83	S)	SO	8					х		
70	3122 Natio				\neg	City, State, Zip:						- /	nalys	is an	d Me	thod							RCRA
<i>∞</i> 1 − −	e, Zip: Carls					Phone: 575-988-0055			$\neg \neg$	<u> </u>					$\neg \top$								
	575-988-005					Email: agiovengo@ensolum.o	com		ŀ	<u>و</u>		ŀ	l		1					•		State	
0	giovengo@e		om						ľ	§	_	_	I	9		- 1	Σ				NM CO	UT AZ	TX
Report d									Į.	<u>چ</u> ا	88	29	爰ㅣ	8	Ŧ	l			ř		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			La Num			TPH GRO/DRO/ORO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0	тсео трн		BGDOC		2009			Remarks	
11:01	6/4/2024	Soil	1			FS47 - 1'	1										х						
10:59	6/4/2024	Soil	1			FS46 - 1'	16	2									x						
11:02	6/4/2024	Soil	1			FS44 - 1'	1	3									х						
11:04	6/4/2024	Soil	1			FS43-1'	1	1									x						
11:21	6/4/2024	Soil	1			FS42 - 1'		5									X			<u> </u>			
11:13	6/4/2024	Soil	1		_	FS41 - 1'		0									X		<u> </u>				
11:11	6/4/2024	Soil	1			FS40 - 1'	1	1									X						
11:09	6/4/2024	Soil	1			FS39 - 1 ¹	1	B									x						
11:31	6/4/2024	Soil	1			FS38 - 1'	10	1			,						x						
11:27	6/4/2024	Soil	1			FS36 - 1'	20										x	L.					
Addition	al Instructio	ns: Ple	ase CC: c	burton@en	solum.	com, agiovengo@ensolum.com	m, chamilto	@ei	nsolu	ım.c	om, o	ehafi											
	pler), attest to the					ware that tampering with or intentionally too. Sampled by:	mislabelling the s	ample	locati	on,											d on ice the da an 6°C on sub		pled or
Relinquish	Relinquished by: (Signature) Date Time Projectory: (Signature) Date October 9-21 Date Date October 9-21										711		Rece	eivec	l on i	ce:	(ab Ü	se O V	nly			
Refigerish	ed best (Signatur	re) mzale	S C	-5.24	1650	1. 5	Date		ટપ	Time	64	<u>50</u>	<u>T1</u>			-	<u>T2</u>				<u>T3</u>		
Relinquish	ed by: (Signatu	re)	Date		ime V 4	Received by: (Signature)	Date/	eta	14	Ϋ	00)			np °C		<u>†</u>						
Sample Ma	trix: S - Soil, Sd - S	Solid, Sg - Slu	idge, A - Aq	ienus O - Othe	•		Cont	aine	r Type	e: g -	glass	, p - r	oly/p	lasti	c, ag -	amb	er g	lass, y	v - VC)A			
Note: Sam	ples are discard	led 30 day	s after resu	ilts are report	ed unles	s other arrangements are made. Haz	zardous sample	s will	be re	turne	d to c	lient d	or disp	osed	of at t	he cli	ent e	xpen	se. T	he rep	ort for the	analysis of	tne 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.



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

Pa	ge <u>5</u>	of <u>Receiv</u>
A Pr	ogram	ed l
VA	SDWA	y.
		<i>0C</i>
	RCRA	D:
		2
ite		17/
ΑZ	TX	20.
		24
narks		
		48
		PM

Project Info	ormation						Chain of Cust	ody													Pa	nge
Client: Ma	atador Prod	luction Co	omnany			Bill To		T		La	b Us	e On	lv :					TA	T_		EPA Pr	ogran
Proiect:		State TB	Dilipally		─ _{Δ++} ,	ention: Ensolum LLC		Lah	WO#					er	11	D 12	2D	3D		ndard	CWA	SDW
	enager: Asl		engo			lress: on file		ΤFί	WO#	och	Nol	F	S	3-0	$\sqrt{2}$	7	\neg			x		
	3122 Natio					, State, Zip:		┯	700	<u> </u>	101	Analy	sis and	Met	hod	<u> </u>						RCF
	, Zip: Carls					ne: 575-988-0055			<u> </u>	$\overline{}$			T		П	Т			\neg	-		
	75-988-005		00220			ail: agiovengo@ensolum	com		lg l					- 1		-			ľ		State	
	ovengo@e		om			all. agloveligo@elisoidili		-		_			ا ہ		- 1 :	Σ	l		Ī	им со	UT AZ	TX
Report du		<u> </u>	.0111					-	lğ	82	260	950	8	_		ᢓ		ř		Ţ		
Time	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Numbe	_	TPH GRO/DRO/ORO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0	тсео трн		BGDOC		GDOC		_~_	Remarks	
	6/4/2024	Soil	1			FS34 - 1'	21		"	<u>u</u>		_	_			x						
11:34	6/4/2024	Soil	1			FS28 - 1'	27									x						
														\top								
			_												1							_
								-		_					\dashv	\dashv				_		
			-					-	+	-				<u> </u>	\dashv			_				-
			<u> </u>	<u> </u>										\dashv	_	_		_		-		
								_							_		_					
							· · · · · · · · · · · · · · · · · · ·															
							i.															_
Additiona	l Instructio	ns: Ple	ase CC: c	burton@e	nsolum.com	, agiovengo@ensolum.co	om, chamilton@	enso	olum.c	om,	ehaf	t@ei	nsolu	m.cor	n, ies	stre	lla@	ensc	olum.	com		
					ole. I am aware ti for legal action.	hat tampering with or intentionally Sampled by:	mislabelling the sam	ple loc	ation,												they are sam sequent days.	pied or
	d by: (Signatu		Date		Time 7-21 Received by: Signature Date Le-5-24 DGJ Received on ice: Y) N																	
Relinquishe	d by: (Signatu	re)	Date		Time 1650	Received by: (Signature)	Date 6.5		Time		50	1			1	<u> </u>				<u>T3</u>	- -	
	d by: (Signatu		Date	:	Time 7400	Received by: (Signature)	Qate (12	119	.α	5		3 Tem	ıp °C_	4	-						
ample Matri	ix: S - Soil, Sd - :	Solid, Sg - Sl	udge. A - Aa	ueous. O - Oth	er	$\mathcal{A}_{\mathcal{O}}$,	Contai	ner Ty	/pe: g -	glass	, p - p	ooly/	plastic	, ag -	ambe	r gla	ass, v	- VO	Α			
ote: Samp	ix: \$ - Soil, \$d - Soi	ded 30 day	udge, A - Aq rs after resi	ueous, O - Oth	er ted unless othe	er arrangements are made. He h this COC. The liability of the	azardous samples v	ill be	returne	d to c	lient o	ooly/por disp	plastic posed	, ag - of at th	ambe ne clier	r gla	ass, v kpense	- VO e. Th	A ne rep	ort for the	analysis of	the



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

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

Page 41 of 45

Printed: 6/7/2024 1:22:29PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

	·		•	-	· · · · · · · · · · · · · · · · · · ·	
Client:	Matador Resources, LLC.	Date Received:	06/06/24	09:00	Work Order ID:	E406046
Phone:	(972) 371-5200	Date Logged In:	06/05/24	20:31	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	06/12/24	17:00 (4 day TAT)		
	a . 1 (aa a					
	Custody (COC)					
	ne sample ID match the COC?	tab the COC	Yes			
	ne number of samples per sampling site location ma	ten the COC	Yes			
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: <u>C</u>	<u>Couier</u>	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		Comme	nts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Due to high sample vo	lume project Dagger
Sample C	<u>Cooler</u>				State TB has been sep	arated into multiple
7. Was a s	sample cooler received?		Yes		WO E406045 and E40	06046.
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	Container	temperature. 1	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal			100			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	l		
C	ollectors name?		No			
	reservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and \boldsymbol{i}	f so who?	NA	Subcontract Lab	: NA	
Client In	<u>istruction</u>					
						0

Date

	~
×	0
4	6
_	
	6
	-
	~~
	6
	20
	-
	7
	~
	_
	0
	C
	1
	_
	-
	->1
	N
	-
	02
	\sim
	4
	_
	hour
	.N
	40
	N
	4
	200
	~
	_
	PM
	1
	~
	-

Client: Matador Production Company						Bill To				La	b Us	e Onl	У					TA	AT.		EPA P	rogram
Project:		State TB			1	tention: Ensolum LLC			WO#			Job N				1D	2D	3D	Star	ndard	CWA	SDWA
Project N	Manager: As	hley Giov	engo		The second second	ddress: on file		EL	tou	100				30						Х		
1000	3122 Natio					ty, State, Zip:						Analys	is ar	nd Me	thod				- 1	-		RCRA
	e, Zip: Carls		88220		PI	none: 575-988-0055			h ph													
	575-988-005		-		Er	mail: agiovengo@ensolum.com			ORC												State	
	giovengo@e	nsolum.c	om		200)RO/	21	09	0	0.00			Z		X	1	NM CO	UT AZ	TX
Report d	ue by:		-				1		GRO/DRO/ORO by	y 80	y 826	601	Je 30	ГРН		1 - 1			_	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH G 8015	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		родря		GDOC			Remarks	
10:39	6/4/2024	Soil	1			FS58 - 1'	1									х						
10:47	6/4/2024	Soil	1			FS57 - 1'	2									х						
10:45	6/4/2024	Soil	1		1	FS56 - 1'	3									х						
10:41	6/4/2024	Soil	1			FS55 - 1'	4									х						
10:42	6/4/2024	Soil	1			FS54 - 1'	5									x					Wil	
10:43	6/4/2024	Soil	1			FS53 - 1'	6									x						
10:51	6/4/2024	Soil	1			FS52 - 1'	7									x						
10:49	6/4/2024	Soil	1			FS51 - 1'	8			H						x						
10:57	6/4/2024	Soil	1			FS50 - 1'	9									x						
10:55	6/4/2024	Soil	1			FS49 - 1'	10									х						
Addition	nal Instruction	ons: Ple	ase CC: c	burton@enso	lum.co	m, agiovengo@ensolum.com, cha	milton@e	enso	lum.c	om,	ehaf	t@er	solu	ım.co	m, i	estre	lla@	enso	olum.	com		
				ty of this sample. I		that tampering with or intentionally mislabel . Sampled by:	ling the samp	le loca	tion,											on ice the day n 6 °C on subs		
Relinquish	hed by: (Signati	ure)	Date	100000	9-2	Received by: (Signature)	Date 6-8-2	4	Time	721		Rece	eive	d on i	ce:	C Y	ab U	se Oi	nly			
Relinquish	hed by (Signature)	ure) ongale		Time	24 Time Received by: (Signature) Date 6.5.24 165																	
Relinquisi	ed by: (Signati	ure)	Date	.5.74 Z	400	Received by: (Signature)	Date	24	Time	00)	AVG	Ter	np °C	(+						
Sample Ma	atrix: S - Soil, Sd -	Solid, Sg - SI	udge, A - Aq	ueous, O - Other		- con-	Containe	er Typ	oe: g -	glass	, p - 1	2000				oer gla	ass, v	- VO	Α			
						her arrangements are made. Hazardous	samples wi	ll be r	eturne	d to c	lient	or disp	osed	of at t						ort for the	analysis of	the above
samples i	s applicable on	ly to those	samples re	reived by the labor	oratory w	ith this COC. The liability of the laborator	v is limited	to the	amou	nt na	id for	on the	ren	ort								



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

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

Page

roject In	formation						Chai	n of Custo	dy														Pa	ogram SDWA RCRA	of S	Receive
Client: N	Natador Prod	uction C	ompany		1000	Bill T	Го				La	b Use	e On	lv				-	TA	т		EP	A Pr	ogram	I	n d
Project:		State TB				Attention: Ensolum LLC			Lab	WO#					oer	1	D 2	2D 3	3D		ndard	CV	VA	SDWA		F
Project N	Manager: Ash					Address: on file			FL	for wo#	DL	101	23	200	100	60					Х					C
Address:	3122 Nation	nal Parks	Hwy			City, State, Zip:						A	Analy	sis an	d Me	thod								RCRA		9.
City, Stat	e, Zip: Carls	bad NM,	88220			Phone: 575-988-0055				þý																
Phone: 5	575-988-005	5				Email: agiovengo@enso	olum.com			ORO	- 7		1						k	-0		Sta	ite			
mail: ag	giovengo@e	nsolum.c	om							30/0	1	0		0.0			NM		~	200	NM C	TU	AZ	TX		l ŝ
eport d	ue by:				100					0/0	/ 802	826	6010	e 300	H		100		×	15	×					4 1
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0	тсед трн		BGDOC		GDOC	B		Rem	arks			:42:4
11:01	6/4/2024	Soil	1			FS47 - 1'		11									x									8 PM
10:59	6/4/2024	Soil	1			FS46 - 1'		12									x									
11:02	6/4/2024	Soil	1			FS44 - 1'		13									x			X	Adde	de	ir A	.Gioge	ngo EA	7
11:04	6/4/2024	Soil	1			FS43- 1'	14									х										
11:21	6/4/2024	Soil	1			FS42 - 1'		15									х									
11:13	6/4/2024	Soil	1			FS41 - 1'		16									x									
11:11	6/4/2024	Soil	1			FS40 - 1'		17									х									
11:09	6/4/2024	Soil	1			FS39 - 1'		18									х									
11:31	6/4/2024	Soil	1			FS38 - 1'		19									x									
11:27	6/4/2024	Soil	1			FS36 - 1'		20									х									
Addition	ial Instructio	ns: Ple	ase CC: c	burton@ei	nsolum.	com, agiovengo@ensolu	ım.com, cha	milton@e	ensol	um.c	om,	ehaft	t@er	nsolu	m.co	m, ie	strel	lla@e	enso	lum.	com					
date or tim	e of collection is	considered f	fraud and ma	y be grounds f	or legal act																on ice the on 6°C on s			led or		
Relinquish	ned by: (Signatu	ire)		6/5/24	Time 9:2	The state of the s	e) overles	Date 6-5-2		Time	921		Rec	eive	d on i	ce:		b Use	e Or	nly						
-	ned by: (Signatu	0	" "	-5.24	Time 1650			6.5.	24	Time	6	50	T1				T2				<u>T3</u>				1	
Relinquish	ned by: (Signatu	ire)	Date 6	5.14	Time 74	Received by: (Signature	e)	Date	24	- Time	100	5	AVC	a Ter	np °C	(+									
-	atrix: S - Soil, Sd -				er			Containe				_		_					_							
Note: San	iples are discar	ded 30 day	ys after resu	ults are repor	ted unless	other arrangements are mad	le. Hazardous	samples wil	l be re	eturne	d to c	lient o	or disp	oosed	of at t	he clie	ent ex	pense	. Th	e rep	ort for th	e analy	sis of 1	the above		Pa



client expense. The report for the analysis of the above

,	0
-	- 0
	6.9
	6
	Cost a
	~
	65
	ä
	~~
	_
	.0
	~
	•
	~
	OCD
	53
	-
	_
	-
	-
	- 24
	~~
	6
	10
	4
	-
	-N
	4
	N
	1
	100
	48
	-
	-
	-
	-

Client: N	latador Proc	luction Co	mpany				Bill To				La	b Us	e Onl	у	The stay	-0			TA	Т		EPA Pi	ogram
Project:	Dagger	State TB			A	ttention: Ensolu	um LLC		Lab	WO#			Job N	umt	er	1	D 2	2D	3D	Star	ndard	CWA	SDWA
Project N	lanager: As	hley Giov	engo		A	ddress: on file			EL	wo#	200	10	23	00	3-0	OQ	9				Х		
Address:	3122 Natio	nal Parks	Hwy			City, State, Zip:							Analys	is an	d Met	hod					The William		RCRA
City, Stat	e, Zip: Carls	bad NM,	88220		P	hone: 575-988-0	0055			þý													
Phone: 5	75-988-005	5			E	mail: agiovengo	@ensolum.com			ORO												State	
Email: ag	giovengo@e	nsolum.c	om							3/03	н	-		0.0			ΣN		~	N	M CO	UT AZ	TX
Report d	ue by:									JQ/C	802	8260	5010	300	I	-)/			¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		BGDOC		GDOC			Remarks	
11:24	6/4/2024	Soil	1			FS34 - 1'		21									x						
11:34	6/4/2024	Soil	1			F528-1'	· ·	22									x				Name	Cha	Ner
																					per	C.Ho	nge milton LAS
																					lella	1/m	LAS
Addition	nal Instruction	ons: Ple	ase CC: c	burton@ens	olum.co	om, agiovengo@	ensolum.com, char	nilton@e	ensol	um.c	om,	ehaf	t@en	solu	m.co	m, ie	stre	lla@	enso	olum.	com	134	=7==
1				ty of this sample. ly be grounds for			or intentionally mislabellingled by:	ng the sampl	e loca	tion,			100000000000000000000000000000000000000									they are sam sequent days.	
Relinquish	ned by: (Signati	ure)	Date	15/24 Tir	ne 9-2	Received by: (\$	ignature)	Le-5-2	14	Time	92	(Rece	eive	d on i	ce: (TX Y	b Us	se Or	nly			
Relinquish	hele G	ure) nuo alo	Date	-5.24 Tir	ne 1680	Received by: (S	Signature)	Date	24	Time	65	50	T1				T2				<u>T3</u>		
Relinguish	ned by: (Signat	ure)	Date	·5.24	me 7.un	Received by: (S	Signature)	Date	24	Tipre	X	5	AVG	i Ter	np °C	(F						
Sample Ma	trix: S - Soil, Sd -	Solid, Sg - Sl	udge, A - Aq	ueous, O - Other	V 10	- Leave	~~	Containe	er Typ	e:g-	glass	, p -					er gla	ass, v	- VO	A			
					d unless o	other arrangements	are made. Hazardous														ort for the	analysis of	the above
samples is	s applicable on	ly to those	samples re	ceived by the la	boratory	with this COC. The li	ability of the laboratory	is limited	to the	amou	int pa	id for	on the	repo	ort.								



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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406063

Job Number: 23003-0002

Received: 6/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/13/24

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

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

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

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

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

Date Reported: 6/13/24

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

Project Name: Dagger State TB

Workorder: E406063

Date Received: 6/7/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2024 8:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH06-0'	5
BH06-2'	6
BH06-3'	7
FS03-2'	8
FS33-1'	9
FS35-1'	10
FS37-1'	11
FS45-1'	12
FS48-1'	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.	Project Name:	Dagger State TB	Panartad:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/13/24 14:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06-0'	E406063-01A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
BH06-2'	E406063-02A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
BH06-3'	E406063-03A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS03-2'	E406063-04A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS33-1'	E406063-05A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS35-1'	E406063-06A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS37-1'	E406063-07A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS45-1'	E406063-08A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS48-1'	E406063-09A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/13/2024 2:00:16PM

BH06-0' E406063-01

		2.00000					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2423135
Benzene	ND	0.0250		1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250		1	06/07/24	06/13/24	
Toluene	ND	0.0250		1	06/07/24	06/13/24	
o-Xylene	ND	0.0250		1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500		1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250		1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		101 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2423135
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		101 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423129
Diesel Range Organics (C10-C28)	12400	250	1	0	06/07/24	06/08/24	
Oil Range Organics (C28-C36)	8340	500	1	0	06/07/24	06/08/24	
Surrogate: n-Nonane		106 %	50-200		06/07/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423133
Chloride	5430	100	:	5	06/07/24	06/07/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/13/2024 2:00:16PM

BH06-2'

		E406063-02				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA		Batch: 2423135
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130	06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/07/24	06/13/24	
Surrogate: Toluene-d8		99.9 %	70-130	06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2423135
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130	06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/07/24	06/13/24	
Surrogate: Toluene-d8		99.9 %	70-130	06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2423129
Diesel Range Organics (C10-C28)	ND	25.0	1	06/07/24	06/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/07/24	06/08/24	
Surrogate: n-Nonane		106 %	50-200	06/07/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2423133
Amons by ETA 500.0/3030A		88				



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/13/2024 2:00:16PM

BH06-3'

E406063-03 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: BA Batch: 2423135 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 06/13/24 ND 0.0250 06/07/24 Benzene 06/07/24 06/13/24 Ethylbenzene ND 0.0250 1 ND 0.0250 06/07/24 06/13/24 Toluene 1 06/07/24 06/13/24 o-Xylene ND 0.0250 06/07/24 06/13/24 ND 0.0500 1 p,m-Xylene 06/07/24 06/13/24 1 Total Xylenes ND 0.0250 101 % 06/07/24 06/13/24 Surrogate: Bromofluorobenzene 70-130 Surrogate: 1,2-Dichloroethane-d4 100 % 70-130 06/07/24 06/13/24 Surrogate: Toluene-d8 99.5 % 70-130 06/07/24 06/13/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: BA Batch: 2423135 ND 06/07/24 06/13/24 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 101 % 06/07/24 06/13/24 70-130 100 % 06/13/24 Surrogate: 1,2-Dichloroethane-d4 70-130 06/07/24 Surrogate: Toluene-d8 06/07/24 06/13/24 99.5 % 70-130 mg/kg Analyst: KM Batch: 2423129 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 06/10/24 ND 25.0 1 06/07/24 Diesel Range Organics (C10-C28) ND 50.0 1 06/07/24 06/10/24 Oil Range Organics (C28-C36) 93.5 % 50-200 06/07/24 06/10/24 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: DT Batch: 2423133

20.0

ND

1

06/07/24

06/07/24

Chloride

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/13/2024 2:00:16PM

FS03-2'

E406063-04

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2423135
Benzene	ND	0.0250	1	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		99.8 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		BA		Batch: 2423135
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		99.8 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423129
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/07/24	06/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/07/24	06/08/24	
Surrogate: n-Nonane		109 %	50-200		06/07/24	06/08/24	
A . I EDA 200 0/0056 A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423133
Anions by EPA 300.0/9056A	mg/kg	mg/kg					



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/13/2024 2:00:16PM

FS33-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2423135
Benzene	ND	0.0250	1	l	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	l	06/07/24	06/13/24	
Toluene	ND	0.0250	1	l	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	l	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	l	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	l	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: BA			Batch: 2423135
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423129
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/07/24	06/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/07/24	06/08/24	
Surrogate: n-Nonane		110 %	50-200		06/07/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423133
11110115 0 3 22112 0 00007 0 0 0 1 2							



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/13/2024 2:00:16PM

FS35-1'

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA			Batch: 2423135
Benzene	ND	0.0250	1	0	6/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	0	6/07/24	06/13/24	
Toluene	ND	0.0250	1	0	6/07/24	06/13/24	
o-Xylene	ND	0.0250	1	0	6/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	0	6/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	0	6/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130	0	6/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	6/07/24	06/13/24	
Surrogate: Toluene-d8		99.2 %	70-130	0	6/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2423135
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	6/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130	0	6/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	6/07/24	06/13/24	
Surrogate: Toluene-d8		99.2 %	70-130	0	6/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2423129
Diesel Range Organics (C10-C28)	ND	25.0	1	0	6/07/24	06/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	0	6/07/24	06/08/24	
Surrogate: n-Nonane		108 %	50-200	0	6/07/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2423133
11110113 By E171 000:0/7030/1							



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/13/2024 2:00:16PM

FS37-1'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2423135
Benzene	ND	0.0250	1	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: BA			Batch: 2423135		
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423129
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/07/24	06/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/07/24	06/08/24	
Surrogate: n-Nonane		68.7 %	50-200		06/07/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423133



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/13/2024 2:00:16PM

FS45-1'

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2423135
Benzene	ND	0.0250		1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250		1	06/07/24	06/13/24	
Toluene	ND	0.0250		1	06/07/24	06/13/24	
o-Xylene	ND	0.0250		1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500		1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250		1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2423135
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2423129
Diesel Range Organics (C10-C28)	ND	25.0		1	06/07/24	06/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/07/24	06/08/24	
Surrogate: n-Nonane		80.9 %	50-200		06/07/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2423133
Chloride	37.8	20.0		1	06/07/24	06/07/24	



Matador Resources, LLC.Project Name:Dagger State TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/13/2024 2:00:16PM

FS48-1'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2423135
Benzene	ND	0.0250	1	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2423135
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/07/24	06/13/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		06/07/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		06/07/24	06/13/24	
Surrogate: Toluene-d8		100 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2423129
Diesel Range Organics (C10-C28)	38.0	25.0	1	1	06/07/24	06/08/24	
Oil Range Organics (C28-C36)	60.6	50.0	1	1	06/07/24	06/08/24	
Surrogate: n-Nonane		111 %	50-200		06/07/24	06/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2423133



QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/13/20242:00:16PM

Dallas 1A, /3240		Project Manage	r: As	sniey Gioveng	30			0/1.	5/2024 2.00.10FN	
	V	olatile Organ	ic Compo	unds by El	PA 82601	В		Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2423135-BLK1)							Prepared: 0	5/07/24 Analy	zed: 06/13/24	
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	0.500		0.500		100	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130				
Surrogate: Toluene-d8	0.501		0.500		100	70-130				
LCS (2423135-BS1)							Prepared: 0	5/07/24 Analy	zed: 06/13/24	
Benzene	2.52	0.0250	2.50		101	70-130				
Ethylbenzene	2.61	0.0250	2.50		104	70-130				
Toluene	2.48	0.0250	2.50		99.3	70-130				
o-Xylene	2.61	0.0250	2.50		104	70-130				
p,m-Xylene	5.08	0.0500	5.00		102	70-130				
Total Xylenes	7.69	0.0250	7.50		103	70-130				
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130				
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130				
Matrix Spike (2423135-MS1)				Source:	E406063-	06	Prepared: 06/07/24 Analyzed: 06/13/24			
Benzene	2.51	0.0250	2.50	ND	101	48-131				
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135				
Toluene	2.50	0.0250	2.50	ND	100	48-130				
o-Xylene	2.63	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	0.494		0.500		98.8	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130				
Surrogate: Toluene-d8	0.504		0.500		101	70-130				
Matrix Spike Dup (2423135-MSD1)				Source:	E406063-	06	Prepared: 0	5/07/24 Analy	zed: 06/13/24	
Benzene	2.47	0.0250	2.50	ND	98.6	48-131	1.99	23		
Ethylbenzene	2.59	0.0250	2.50	ND	104	45-135	0.443	27		
Toluene	2.47	0.0250	2.50	ND	98.8	48-130	1.27	24		
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	0.0190	27		
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	0.735	27		
Total Xylenes	7.81	0.0250	7.50	ND	104	43-135	0.494	27		
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130				



0.500

0.500

98.0

70-130

70-130

0.490

0.507

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Analyst: BA

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/13/2024 2:00:16PM

Nonhalogenated Or	ganics by	EPA 8015D -	- GRO
-------------------	-----------	-------------	-------

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423135-BLK1)							Prepared: 06	5/07/24 Ana	alyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
LCS (2423135-BS2)							Prepared: 06	5/07/24 Ana	alyzed: 06/13/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.0	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
Matrix Spike (2423135-MS2)				Source: E406063-06			Prepared: 06/07/24 Analyzed: 06/13/24		
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.7	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			
Matrix Spike Dup (2423135-MSD2)	Matrix Spike Dup (2423135-MSD2)				E406063-	06	Prepared: 06	5/07/24 Ana	alyzed: 06/13/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130	0.0754	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/13/2024 2:00:16PM

	Nonha	logenated Or	ganics by l		Analyst: KH				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423129-BLK1)							Prepared: 0	6/07/24 Anal	yzed: 06/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			
LCS (2423129-BS1)							Prepared: 0	6/07/24 Anal	yzed: 06/07/24
Diesel Range Organics (C10-C28)	310	25.0	250		124	38-132			
Surrogate: n-Nonane	57.0		50.0		114	50-200			
Matrix Spike (2423129-MS1)				Source:	E406061-	04	Prepared: 0	6/07/24 Anal	yzed: 06/07/24
Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	38-132			
Surrogate: n-Nonane	59.1		50.0		118	50-200			
Matrix Spike Dup (2423129-MSD1)				Source:	E406061-	04	Prepared: 0	6/07/24 Anal	yzed: 06/07/24
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132	7.44	20	
Surrogate: n-Nonane	58.7		50.0		117	50-200			

Chloride

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger State TB					Reported:
Dallas TX, 75240		Project Manager	: A	Ashley Giovengo)				6/13/2024 2:00:16PM
		Anions	by EPA	300.0/9056A					Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423133-BLK1)							Prepared: 0	6/07/24 A	nalyzed: 06/07/24
Chloride	ND	20.0							
LCS (2423133-BS1)							Prepared: 0	6/07/24 A	nalyzed: 06/07/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2423133-MS1)				Source: H	E406052-	02	Prepared: 0	6/07/24 A	nalyzed: 06/07/24
Chloride	440	20.0	250	148	117	80-120			
Matrix Spike Dup (2423133-MSD1)				Source: F	E406052-	02	Prepared: 0	6/07/24 A	nalyzed: 06/07/24

250

20.0

148

120

80-120

1.60

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Resources, LLC.	Project Name:	Dagger State TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/13/24 14:00

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.



Phone: 575-988-0055

Report due by:

Time

Sampled

9:09

9:13

9:55

12:08

13:21

12:24

12:20

Project:

Client: Matador Production Company

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

Email: agiovengo@ensolum.com

Date Sampled

6/5/2024

6/5/2024

6/5/2024

6/5/2024

6/5/2024

6/5/2024

6/5/2024

City, State, Zip: Carlsbad NM, 88220

Dagger State TB

Matrix

Soil

Soil

Soil

Soil

Soil

Soil

Soil

Containers

1

1

1

1

1

1

1

Sample ID

lab

Number

2

3

9

Lab Use Only

Lab WO# Job Number E 401 00063 23003-0000

VOC by 8260 Metals 6010

BTEX by 8021

ТРН GRO/DRO/ORO by 8015

Analysis and Method

Chloride 300.0

тсео трн

TAT

≍

2009

Standard

1D 2D 3D

ξ

верос

X

X

X

X

X

X

X

Bill To

Attention: Ensolum LLC

Phone: 575-988-0055

Email: agiovengo@ensolum.com

Address: on file

City, State, Zip:

BH06 - 0'

BH06 - 2'

BH06 - 31

FS03 - 2'

FS33 - 1'

FS35 - 1'

FS37 - 1'

EPA Program

SDWA

RCRA

CWA

State

Remarks

NM CO UT AZ TX

20
ð
19
age
Ра

12:18	6/5/2024	Soil	1			FS45 - 1'	8							x				
12:16	6/5/2024	Soil	1			FS48 - 1'	19							x				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com, iestrella@ensolum.com																		
I, (field samp	(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 o	onsidered fr	aud and may	be grounds	for legal action.	Sampled by:					ceived pa	ked in ic	e at an a	vg tem	p above	0 but l	ess tha	n 6 °C on subsequent days.
Relinquishe	Relinquished by: (Signature) Date Time (Approximately process): (Signature) Date Time Lab Use Only																	
لت	1 40	V	\ <i>\</i> /	4/24	S-A(Victoria Gonzaica	662	t	000	F	eceive	d on i	ce:	(Y	ИK			
Relinguishe	ed by: (Signatu	re) 🐧	Date		Time	Received by: (Signature)	Date	Tim	e //	,)			
Mich	ulle Go	nzales	101	6.24	1530	Inden Herse	6-6	·આ	76	וכל	1			<u>T2</u>			_	<u>T3</u>
Relinquishe	elinquished by: (Signature) Date Time Received by: (Signature) Date Time																	
In	Indrew Helso 6.6.4 2400 (1) 24 800 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: Samp	oles are discard	ded 30 days	after result	s are repor	ted unless other	r arrangements are made. Hazardous	samples will b	e return	ed to cl	ent or	disposed	of at t	he clie	nt ex	pense	. The	e repo	ort for the analysis of the above
samples is	Iote: 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 amples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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

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

Printed: 6/7/2024 11:53:42AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/07/24	08:00		Work Order ID:	E406063
Phone:	(972) 371-5200	Date Logged In:	06/06/24	19:01		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:		17:00 (4 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Couier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time?	·	Yes				
	Note: Analysis, such as pH which should be conducted in i.e. 15 minute hold time, are not included in this disucssi					Comments	s/Resolution
Sample T	Curn Around Time (TAT)						
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	· •						
_	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	* *		No				
•	, were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	oe <u>l</u>						
	field sample labels filled out with the minimum info	ormation:					
S	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
	reservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	o: NA		
Chent II	<u>nstruction</u>						

Page 20 of 20

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406075

Job Number: 23003-0002

Received: 6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/24

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

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

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

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

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

Date Reported: 6/14/24

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

Project Name: Dagger State TB

Workorder: E406075

Date Received: 6/10/2024 6:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 6:15:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director
Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS02-2'	5
FS13-4'	6
FS21-1'	7
FS64-1'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Donoutoda	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/14/24 13:10	

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS02-2'	E406075-01A Soil	06/06/24	06/10/24	Glass Jar, 2 oz.
FS13-4'	E406075-02A Soil	06/06/24	06/10/24	Glass Jar, 2 oz.
FS21-1'	E406075-03A Soil	06/06/24	06/10/24	Glass Jar, 2 oz.
FS64-1'	E406075-04A Soil	06/06/24	06/10/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/14/2024 1:10:21PM

FS02-2' E406075-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		99.4 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2424022
Chloride	52.9	20.0	1	06/10/24	06/12/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/14/2024 1:10:21PM

FS13-4'

E406075-02

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		100 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2424022
Chloride	27.8	20.0	1	06/10/24	06/12/24	•



N	Matador Resources, LLC.	Project Name:	Dagger State TB	
5	400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Г	Oallas TX, 75240	Project Manager:	Ashley Giovengo	6/14/2024 1:10:21PM

FS21-1'

E406075-03

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/12/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		106 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2424022
Chloride	20.0	20.0	1	06/10/24	06/12/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/14/2024 1:10:21PM

FS64-1'

E406075-04

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2424013
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2424013
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		101 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2424022
Chloride	28.2	20.0	1	06/10/24	06/12/24	



QC Summary Data

		•	
Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/14/2024 1:10:21PM
	Volatile Orga	nnics by EPA 8021B	Analyst: IY

D 11 TV 75240		D : 434		11 6:					C/14/2024 1 10 21D
Dallas TX, 75240		Project Manager:	As	shley Giovengo)				6/14/2024 1:10:21PM
		Volatile O	rganics b	oy EPA 8021	В				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424013-BLK1)							Prepared: 0	6/10/24 Ai	nalyzed: 06/13/24
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	7.38		8.00		92.3	70-130			
LCS (2424013-BS1)							Prepared: 0	6/10/24 A	nalyzed: 06/13/24
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
o,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			
Matrix Spike (2424013-MS1)				Source: E	2406074-0	01	Prepared: 0	6/10/24 A	nalyzed: 06/14/24
Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			
Matrix Spike Dup (2424013-MSD1)				Source: E	2406074-0)1	Prepared: 0	6/10/24 A	nalyzed: 06/14/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	1.30	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.72	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.60	20	
p-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	1.35	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	1.63	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.54	20	
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.8	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/14/2024 1:10:21PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/1	4/2024 1:10:21PM	
	Nonhalogenated Organics by EPA 8015D - GRO							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 (2424013-BLK1)							Prepared: 0	6/10/24 Anal	yzed: 06/13/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130				
LCS (2424013-BS2)							Prepared: 0	6/10/24 Anal	yzed: 06/13/24	
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130				
Matrix Spike (2424013-MS2)				Source:	E406074-	01	Prepared: 0	6/10/24 Anal	yzed: 06/14/24	
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130				
Matrix Spike Dup (2424013-MSD2)				Source:	E406074-	01	Prepared: 0	6/10/24 Anal	yzed: 06/14/24	
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	0.500	20		

8.00

7.86

98.3

70-130



QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/14/2024 1:10:21PM

Dullus 171, 732 10		Troject Manage	. 710	mey Groveng	-				
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: KM	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424032-BLK1)							Prepared: 0	5/11/24 Anal	yzed: 06/12/24
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 (2424032-BS1)							Prepared: 0	5/11/24 Anal	yzed: 06/12/24
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			
Matrix Spike (2424032-MS1)				Source:	E406050-	04	Prepared: 0	5/11/24 Anal	yzed: 06/12/24
Diesel Range Organics (C10-C28)	297	25.0	250	32.3	106	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			
Matrix Spike Dup (2424032-MSD1)				Source:	E406050-	04	Prepared: 0	5/11/24 Anal	yzed: 06/12/24
Diesel Range Organics (C10-C28)	297	25.0	250	32.3	106	38-132	0.0425	20	
Surrogate: n-Nonane	52.9		50.0		106	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger State TE	3				Reported:
Dallas TX, 75240		Project Number: Project Manager		Ashley Gioveng	o				6/14/2024 1:10:21PM
		Anions	by EPA	300.0/9056A					Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424022-BLK1)							Prepared: (06/10/24 A	nalyzed: 06/12/24
Chloride	ND	20.0							
LCS (2424022-BS1)							Prepared: 0	06/10/24 A	nalyzed: 06/12/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2424022-MS1)				Source:	E406066-	06	Prepared: 0	06/10/24 A	nalyzed: 06/12/24
Chloride	276	20.0	250	22.4	101	80-120			
Matrix Spike Dup (2424022-MSD1)				Source:	E406066-	06	Prepared: (06/10/24 A	nalyzed: 06/12/24
Chloride	274	20.0	250	22.4	101	80-120	0.631	20	

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Dagger State TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/14/24 13:10

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



	Received
,	bv
	OCD:
	7/1
	7/2024
	1:42:48
	PM

Client: 1	Matador Prod	luction C	ompany			Bill To				Lal	b Us	e On	ly				TA	AT	EPA P	rogram
Project:	Dagger	State TB				Attention: Ensolum LLC		Lab	WQ#	-		Job N				2D	3D	Standard	CWA	SDWA
Project I	Manager: As	hley Giov	engo			Address: on file		E	406075 23003-000			05			x					
Address	3122 Natio	nal Parks	Hwy			City, State, Zip:						Analy:	sis ar	nd Meth	nod					RCRA
City, Sta	te, Zip: Carls	bad NM,	88220			Phone: 575-988-0055			by											
Phone:	575-988-005	5				Email: agiovengo@ensolum.con	1		ORO							1			State	
Email: a	giovengo@e	nsolum.c	om						30/0	-	0		0.0		Σ		_	NM CO	UT AZ	TX
Report o	lue by:								JQ/O	805	8260	5010	300	Ξ			¥	×	1-2	
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	тсед трн	BGDOC		GDOC		Remarks	
14:23	6/6/2024	Soil	1			FS02 - 2'									х					
10:17	6/6/2024	Soil	1			FS13 - 4'	2								х					
10:06	6/6/2024	Soil	1			FS21 - 1'	3								х					
9:49	6/6/2024	Soil	1			FS64 - 1'	4								х					
Additio	nal Instructio	ns: Ple	ase CC: cl	burton@enso	olum.	com, agiovengo@ensolum.com, c	:hamilton@e	enso	um.co	om, e	haft	t@en	solu	m.com	n, iesti	ella@	enso	olum.com		
				ty of this sample.		vare that tampering with or intentionally misla ion. Sampled by:	belling the sampl	e loca	tion,									eceived on ice the da less than 6 °C on sub		pled or
Relinquish Relinquish	ned by: (Signatu L & A ned by: (Signatu	re)	Date Date	17/24 Tim	e 8'-5	Received by: (Signature)	Date G.7		Time	800		Rece T1	eived	l on ice		1 (se Or	nly <u>T3</u>		
Relinquish	ned by: (Signatu	té)	Date 6	19,036	02	Received by: (Signature)	Date Gallo	_	_	2:15		_		np °C_	4					
	triu C Cail Cd C	olid Sa - Sh	dee A - Ani	eous, O - Other _		/	Containe	r Tur	0.0	rlace	n n	oly/n	Inctio			lace .	· VIO	۸		



envirotech

Printed: 6/10/2024 9:16:32AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

	•				<u> </u>		
Client:	Matador Resources, LLC.	Date Received:	06/10/24	06:15	Work Order	ID:	E406075
Phone:	(972) 371-5200	Date Logged In:	06/10/24	07:51	Logged In B	iy:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:	06/14/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	<u>Couier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Com</u>	men!	ts/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Sampler listed on sa	mp	le,but not on COC.
Sample C	<u>cooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab							
20. Were	— field sample labels filled out with the minimum info	ormation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes	ı			
	ollectors name?		Yes				
	reservation the COC or field labels indicate the semples were re-		NI-				
	the COC or field labels indicate the samples were property of the company of the	reserveu?	No				
	imple(s) correctly preserved? filteration required and/or requested for dissolved n	netale?	NA No				
	•	ictais:	NO				
_	se Sample Matrix	0					
	the sample have more than one phase, i.e., multipha		No				
27. II yes,	does the COC specify which phase(s) is to be analy	yzea?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and is	f so who?	NA	Subcontract Lab	: NA		
Client In	struction						
_							0

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406104

Job Number: 23003-0002

Received: 6/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/17/24

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

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

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

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

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

Date Reported: 6/17/24

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

Project Name: Dagger State TB

Workorder: E406104

Date Received: 6/12/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2024 9:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director
Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW1-1-5'	5
SW2-2-5'	6
FS04-5'	7
FS05-5'	8
FS06-5'	9
FS01-2.5'	10
FS19-1'	11
FS20-1'	12
FS22-1'	13
FS23-1'	14
FS24-1'	15
FS26-1'	16
FS08-1'	17
QC Summary Data	18
QC - Volatile Organics by EPA 8021B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody etc.	23

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/17/24 16:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-1-5'	E406104-01A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
SW2-2-5'	E406104-02A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS04-5'	E406104-03A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS05-5'	E406104-04A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS06-5'	E406104-05A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS01-2.5'	E406104-06A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS19-1'	E406104-07A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS20-1'	E406104-08A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS22-1'	E406104-09A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS23-1'	E406104-10A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS24-1'	E406104-11A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS26-1'	E406104-12A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS08-1'	E406104-13A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

SW1-1-5' E406104-01

		E400104-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryo	Result	Emit	Dilution	Trepared	Maryzed	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		91.1 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2424063
Chloride	75.4	20.0	1	06/12/24	06/13/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

SW2-2-5' E406104-02

		1.400104 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		95.7 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2424063
Chloride	84.8	20.0	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS04-5'

E406104-03

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		90.1 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: WF		Batch: 2424063
Chloride	ND	20.0	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS05-5'

E406104-04

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		85.1 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2424063
Chloride	ND	20.0	1	06/12/24	06/13/24	•



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS06-5'

E406104-05

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	Analyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	Analyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		85.0 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: WF		Batch: 2424063
Chloride	88.5	20.0	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS01-2.5' E406104-06

	L100101 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2424059
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0500	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
	90.6 %	70-130	06/12/24	06/14/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2424059
ND	20.0	1	06/12/24	06/14/24	
	112 %	70-130	06/12/24	06/14/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2424071
ND	25.0	1	06/12/24	06/14/24	
ND	50.0	1	06/12/24	06/14/24	
	83.0 %	50-200	06/12/24	06/14/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2424063
277	20.0	1	06/12/24	06/13/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 112 % mg/kg MD 25.0 ND 50.0 83.0 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 90.6% 70-130 mg/kg mg/kg Anal ND 20.0 1 112% 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 83.0% 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0500 1 06/12/24 ND 0.0250 1 06/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/12/24 ND 25.0 1 06/12/24 ND 50.0 1 06/12/24 ND 50.0 1 06/12/24 83.0 % 50-200 06/12/24 mg/kg mg/kg Analyst: WF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/12/24 06/14/24 ND 0.0500 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/12/24 06/14/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/12/24 06/14/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/12/24 06/14/24 ND 50.0 1 06/12/24 06/14/24 ND 50.0 1 06/12/24 06/14/24 83.0 % 50-200



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS19-1'

E406	10/	1_07
LITUU	, I V-	T-V/

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		85.3 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2424063
	38.5	20.0	-	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS20-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		94.1 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2424063
Chloride	93.5	20.0	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS22-1'

	Reporting				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: BA		Batch: 2424059
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
ND	0.0500	1	06/12/24	06/14/24	
ND	0.0250	1	06/12/24	06/14/24	
	90.6 %	70-130	06/12/24	06/14/24	
mg/kg	mg/kg	An	alyst: BA		Batch: 2424059
ND	20.0	1	06/12/24	06/14/24	
	110 %	70-130	06/12/24	06/14/24	
mg/kg	mg/kg	An	alyst: NV		Batch: 2424071
ND	25.0	1	06/12/24	06/14/24	
ND	50.0	1	06/12/24	06/14/24	
	92.1 %	50-200	06/12/24	06/14/24	
mg/kg	mg/kg	An	alyst: WF		Batch: 2424063
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 110 % mg/kg ND 25.0 ND 50.0 92.1 %	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg An MB/kg mg/kg An MB/kg mg/kg An ND 25.0 1 ND 50.0 1 92.1 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0500 1 06/12/24 ND 0.0250 1 06/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/12/24 ND 25.0 1 06/12/24 ND 50.0 1 06/12/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/12/24 06/14/24 ND 0.0500 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 MD 0.0250 1 06/12/24 06/14/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 06/12/24 06/14/24 Mg/kg mg/kg Analyst: BA ND 25.0 1 06/12/24 06/14/24 ND 25.0 1 06/12/24 06/14/24 ND 50.0 1 06/12/24 06/14/24 ND 50.0 1 06/12/24 06/14/24



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS23-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	38.7	25.0	1	06/12/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/14/24	
Surrogate: n-Nonane		91.5 %	50-200	06/12/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2424063
Chloride	39.0	20.0	1	06/12/24	06/14/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS24-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane		91.2 %	50-200	06/12/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2424063
Chloride	30.4	20.0	1	06/12/24	06/14/24	·



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS26-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane		93.9 %	50-200	06/12/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2424063
	ND	20.0	1	06/12/24	06/14/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:01:36PM

FS08-1'

		210010110				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		st: BA	. mary zea	Batch: 2424059
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2424071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane		92.5 %	50-200	06/12/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2424063
Chloride	139	20.0	1	06/12/24	06/14/24	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Matador Resources, LLC. Dagger State TB Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 6/17/2024 4:01:36PM **Volatile Organics by EPA 8021B** Analyst: BA RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2424059-BLK1) Prepared: 06/12/24 Analyzed: 06/14/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.30 8.00 91.3 70-130 LCS (2424059-BS1) Prepared: 06/12/24 Analyzed: 06/14/24 106 5.30 5.00 70-130 0.0250 Benzene Ethylbenzene 4.98 0.0250 5.00 99.5 70-130 5.22 70-130 0.0250 5.00 104 Toluene 5.08 101 70-130 o-Xylene 0.0250 5.00 10.2 0.0500 10.0 102 70-130 p,m-Xylene 15.3 102 70-130 0.0250 15.0 Total Xylenes 70-130 8.00 91.9

Matrix Spike (2424059-MS1)				Source:	E406104-0)3	Prepared: 06/12/24 Analyzed: 06/14/24
Benzene	4.93	0.0250	5.00	ND	98.5	54-133	
Ethylbenzene	4.63	0.0250	5.00	ND	92.5	61-133	
Toluene	4.85	0.0250	5.00	ND	97.0	61-130	
o-Xylene	4.72	0.0250	5.00	ND	94.4	63-131	
p,m-Xylene	9.52	0.0500	10.0	ND	95.2	63-131	
Total Xylenes	14.2	0.0250	15.0	ND	95.0	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130	

7.35

Matrix Spike Dup (2424059-MSD1)	Source:	E406104-	03	Prepared: 06/12/24 Analyzed: 06/14/2				
Benzene	5.05	0.0250	5.00	ND	101	54-133	2.56	20
Ethylbenzene	4.74	0.0250	5.00	ND	94.9	61-133	2.51	20
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	2.47	20
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	2.42	20
p,m-Xylene	9.76	0.0500	10.0	ND	97.6	63-131	2.48	20
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131	2.46	20
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/17/2024 4:01:36PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/1	7/2024 4:01:36PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424059-BLK1)							Prepared: 0	6/12/24 Anal	yzed: 06/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.88		8.00		111	70-130			
LCS (2424059-BS2)							Prepared: 0	6/12/24 Anal	yzed: 06/14/24
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.95		8.00		112	70-130			
Matrix Spike (2424059-MS2)				Source:	E406104-	03	Prepared: 0	6/12/24 Anal	yzed: 06/14/24
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.89		8.00		111	70-130			
Matrix Spike Dup (2424059-MSD2)				Source:	E406104-	03	Prepared: 0	6/12/24 Anal	yzed: 06/14/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	1.70	20	

8.00

8.89

111

70-130



QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/17/2024 4:01:36PM

ngo				9/1//2024 4.01.30FF
5D - DRO/	ORO			Analyst: NV
Rec	Rec Limits	RPD	RPD Limit	
%	%	%	%	Notes
		Prepared: 0	6/12/24 An	alyzed: 06/14/24
94.3	50-200			
		Prepared: 0	6/12/24 An	alyzed: 06/14/24
95.4	38-132			
100	50-200			
e: E406104-0)6	Prepared: 0	6/12/24 An	alyzed: 06/14/24
93.6	38-132			
97.7	50-200			
e: E406104-0)6	Prepared: 0	6/12/24 An	alyzed: 06/14/24
96.0	38-132	2.51	20	
, 0.0				
	94.3 95.4 100 e: E406104-(93.6 97.7 e: E406104-(94.3 50-200 95.4 38-132 100 50-200 e: E406104-06 93.6 38-132 97.7 50-200 e: E406104-06	Frepared: 0 94.3 50-200 Prepared: 0 95.4 38-132 100 50-200 e: E406104-06 Prepared: 0 93.6 38-132 97.7 50-200 Prepared: 0	Frepared: 06/12/24 An 94.3 50-200 Prepared: 06/12/24 An 95.4 38-132 100 50-200 e: E406104-06 Prepared: 06/12/24 An Prepared: 06/12/24 An Prepared: 06/12/24 An Prepared: 06/12/24 An Prepared: 06/12/24 An Prepared: 06/12/24 An Prepared: 06/12/24 An



Matrix Spike (2424063-MS1)

Matrix Spike Dup (2424063-MSD1)

Chloride

Chloride

274

272

Prepared: 06/12/24 Analyzed: 06/13/24

Prepared: 06/12/24 Analyzed: 06/13/24

20

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	bject Number: 23003-0002						Reported:			
Dallas TX, 75240		Project Manager: Ashley Giovengo						6/17/2024 4:01:36PM			
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: WF		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2424063-BLK1)							Prepared: 0	6/12/24 An	nalyzed: 06/13/24		
Chloride	ND	20.0									
LCS (2424063-BS1)							Prepared: 0	6/12/24 An	nalyzed: 06/13/24		
Chloride	255	20.0	250		102	90-110					

250

250

100

100

Source: E406103-03

Source: E406103-03

110

109

80-120

80-120

0.853

ND

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/17/24 16:01

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.



lient: N	Natador Prod	uction C	ompany		Bill To) =		L	ab U	se On	ly				TA	AT.	EPA P	rogran
roject:		State TB			Attention: Ensolum LLC	Ensolum LLC Lab WO#			0.0000000000000000000000000000000000000	Numl	oer	1D	2D	3D	Standard	CWA	SDW	
	Manager: Ash		engo		Address: on file					230	2	-cox	2			X.		
Address:	3122 Nation	nal Parks	Hwy		City, State, Zip:			911	,	Analy	sis an	d Meth	od					RC
City, Stat	e, Zip: Carls	oad NM,	88220		Phone: 575-988-0055		by											
	575-988-005				Email: agiovengo@ensol	um.com	ORC	1					10				State	1
	giovengo@e	nsolum.c	om				ORO/	8021	09	9	300.0		ΣZ		×	NM CC	UT AZ	TX
Report d	ue by:		1			1 7.1	RO/I	by 80	y 82	s 603	de 3(TP.	ပ္			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	BTEX	VOC by 8260	Metals 6010	Chloride :	тседтрн	ВСБОС		GDOC		Remarks	
9:19	6/7/2024	Soil	1		SW1 -1-5'	1							x					
9:13	6/7/2024	Soil	1		SW2 -1-5'	2							х					
10:30	6/7/2024	Soil	1		FS04 - 5'	3							х					
10:31	6/7/2024	Soil	1		FS05 - 5'	4							х					
10:32	6/7/2024	Soil	1	FS06 - 5'		5			Т				х					
11:32	6/7/2024	Soil	1	FS01 - 2.5'		6							х					
15:03	6/7/2024	Soil	1		FS19 - 1'	7		T	1				х	ı				
14:53	6/7/2024	Soil	1		FS20 - 1'	8							х					
15:01	6/7/2024	Soil	1		FS22 - 1'	9							х					
14:59	6/7/2024	Soil	1		FS23 - 1'	10		1					х					
					m.com, agiovengo@ensolum	n.com, chamilton@e		com,	, ehaf							olum.com	ov they are sam	nled o
ate or time	e of collection is c	onsidered f	raud and ma	y be grounds for lega						10.00		4-4-5-4-5	an avg te	emp abo	ve 0 but	less than 6 °C on su		picu o
2	ed by: (Signatur	1	Date		Received by: (Signature)	J (1-10	24 /1	945	5	Rec	eived	on ice	-	YY I	lse Or V	nly		
10	ed by: (Signatur	4	S Co-	1124 16	Received by: (Signature)		·24 /	70	00	T1			<u>T2</u>			<u>T3</u>		
Relinguish	ed by: (Signatu	re)	Date	·11.74 7	Received by: (Signature)	Date	74 117	16	00	AVIC	Ton	np °C_	4					



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

envirotech

Client: N	Natador Prod	uction C	ompany		Bill To				Lab	Use	Only					TAT	T	EPA P	rogram
Project:		State TB			Attention: Ensolum LLC		Lab \	NO#			ob Nu		r	1D	2D	3D	Standard	CWA	SDWA
	Nanager: Asl		engo		Address: on file		E4	010	104	16	230	3-	8	2			х		
	3122 Nation				City, State, Zip:		-						Metho						RCRA
City, Sta	e, Zip: Carls	oad NM,	88220		Phone: 575-988-0055			by											
Phone:	575-988-005	5			Email: agiovengo@ensolum.co	om	1 1	88										State	
	giovengo@e	nsolum.c	om)RO/	77	2	0	0.0		Σ		×	NM CO	UT AZ	TX
Report c	ue by:					1-5	4 1	30/0	y 80	/ 82t	601	de 30	5	0.5			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Numbe		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	וכבע ואי	верос		GDOC		Remarks	
14:55	6/7/2024	Soil	1		FS24 - 1'	11								х					rogram SDWA
15:00	6/7/2024	Soil	1		FS26 - 1'	12								х					
11:32	6/7/2024	Soil	1		FS08 - 1'	13								х					
										+	4	-							
										1			1						
													-						
7																			
Addition	al Instructio	ns: Ple	ase CC: cl	burton@ensol	um.com, agiovengo@ensolum.com	, chamilton@	ensolu	ım.cc	om, eh	aft@	@ens	olum	.com,	iestre	lla@	ensol	um.com		
				ty of this sample. I a	am aware that tampering with or intentionally m	islabelling the samp	le locati	on,									eived on ice the day ss than 6 °C on subs		pled or
	ed by: (Signatur		Date	Time		Date Le 10 a		Time 10	45	F	Recei	ved o	n ice:		b Us	e Onl	у		
Relinquish	ed by: (Signatur		Date	Time	Received by: (Signature) V	Date . l	1.14	Time 17	00]	Г1			<u>T2</u>			T3		
Relinquish	ed by: (Signatur	re)	Date	11.24 C	Received by: (Signature)	(0/2)	24	Time	OC		AVG T			+					
Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Slu	idge, A - Aqu	ieous, O - Other	9000	Contain	er Type	: g - g	lass. p	- po	ly/pla	stic, a	g - am	ber gla	ass, v	- VOA			



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

Continuous entroitements and the client expense. The report for the analysis of the above on the report.

Project:

Rroject Ir	nformation						Chair	n of Custo	dy													Р	rogram SDWA RCRA	of _2	Receive
Client: N	Natador Prod	uction Co	ompany			Bill To	-		600	100	La	b Us	e Onl	v					TAT	Т		EPA P	rogram	1	d b
Project:		State TB				Attention: Ensolum LLC			Lab \	WO#			Job N	0.00	oer		LD 2				ndard	CWA	SDWA		0
Project N	Manager: Asl	nley Giov	engo			Address: on file			FU	WO#	10	41			5-00						X				
Address:	3122 Nation	nal Parks	Hwy			City, State, Zip:			1	-6	,,,				d Met								RCRA		
City, Stat	te, Zip: Carls	oad NM,	88220			Phone: 575-988-0055				þý			1				- 1								
hone:	575-988-005	5				Email: agiovengo@ensolu	ım.com			ORO												State			7/2
9	giovengo@e	nsolum.c	om							RO/(1	0		300.0			ΣZ		×		NM CO	UT AZ	TX		02,
Report d	lue by:									0/0	y 802	8260	6010	e 30	H			1 1 1 1 1 1	×		×				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by	Metals 6010	Chloride	тсео трн		BGDOC		GDOC			Remark	s		42:4
9:19	6/7/2024	Soil	1			SW1 -1-5'		1									х								8 PM
9:13	6/7/2024	Soil	1			SW2 15'- 2 - 5	,	2									x				Per 12/12	clie	My		
10:30	6/7/2024	Soil	1			FS04 - 5'		3									х						Lond		
10:31	6/7/2024	Soil	1			FS05 - 5'		4									х								
10:32	6/7/2024	Soil	1			FS06 - 5'		5									x								27
11:32	6/7/2024	Soil	1			FS01 - 2.5'		6									х								25 of 2
15:03	6/7/2024	Soil	1			FS19 - 1'		7									х								Page 2
14:53	6/7/2024	Soil	1			FS20 - 1'		8									х								Q
15:01	6/7/2024	Soil	1			FS22 - 1'		9									х								
14:59	6/7/2024	Soil	1			FS23 - 1'		10									х								
Addition	nal Instructio	ns: Plea	ase CC: cl	burton@en	solum.	om, agiovengo@ensolum	.com, cha	milton@e	nsol	um.c	om, e	ehaft	en	solu	m.co	m, ie	strel	la@e	nsol	lum.	com				
	npler), attest to th					are that tampering with or intention on. Sampled by:	nally mislabell	ng the sample	e locati	ion,			200									y they are sar sequent days			
	hed by: (Signatu		Date		ime 1:15	Received by: (Signature)	1	Date (-10	24	Time 10	45		Rece	eivec	d on ic	e:		b Use	Onl	ly		NATE OF			
	hed by: (Signatu		S Date	1124	ime 1645	Received by: (Signature)		Date	.24	Time	70	2	T1				T2				T3				
Relinquis	hed by: (Signatu	re)	Date 6	88	ime 13	Received by (Signature)		Date 17	74	Time	OF	^	AVG	Ten	np °C	- 1	+								
Sample Ma	atrix: S - Soil, Sd -	Solid, Sg - Slu		-	r	- un		Containe	r Typ	e:g-	glass						er gla	ss. v -	VOA	4					
						other arrangements are made.	Hazardous														ort for the	analysis o	f the above		Page
samples i	s applicable only	to those s	amples rec	eived by the I	aborator	with this COC. The liability of the	he laborator	y is limited t	to the	amou	nt pai	d for	on the	repo	ort.									1	Se



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

envirotech

envirotech

envirotech

envirotech

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

environale

enviro

.com, lestrena@ensolum.com	
g thermal preservation must be received on ice the day they are sampled or in ice at an avg temp above 0 but less than 6 °C on subsequent days.	
Lab Use Only on ice: N	
T2 T3 T3	
ag - amber glass, v - VOA	
at the client expense. The report for the analysis of the above .	
enviroted	ch

Project Ir	formation						Chain of Cust	ody												P	age 2	Received by OCD: 7/17/2024 1:42:48 PM of
Client: N	Natador Prod	duction C	ompany			Bill To		100	100	La	b Use	e Onl	V	THE REAL PROPERTY.				ГАТ		EPA P	rogram	d b
Project:	Dagger	State TB				Attention: Ensolum LLC		Lab	WO#		A STATE OF THE PARTY OF THE PAR	Job N	No. of Lots	er	1	D 21			Standard	CWA	SDWA	0
Project N	Manager: As	hley Giov	engo		1	Address: on file		E	406	110	41	230	ECC	3-∞	00				x			2
Address:	3122 Natio	nal Parks	Hwy		1	City, State, Zip:								d Met					1		RCRA	
ENVIRONMENT DE LES	e, Zip: Carls		88220		1	Phone: 575-988-0055			by													
	575-988-005					Email: agiovengo@ensolum.c	om		ORO			- 3							No.	State		72
THE RESIDENCE OF THE PARTY OF T	giovengo@e	nsolum.c	om						RO/	21	0	0	0.0		19	ΣZ	×		NM CO	UT AZ	TX	924
Report d	ue by:								30/D	y 80	, 826	601	le 30	Hd					×			15
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Numbe	r	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		BGDOC	GDOC			Remarks	i	42:4
14:55	6/7/2024	Soil	1			FS24 - 1'	11									х				E CON		8 PM
15:00	6/7/2024	Soil	1			FS26 - 1'	12									х						
11:32	6/7/2024	Soil	1			FS08 - 1'	13									х						
																	T	+				
																		7			-	26 of 27
								4-									+				-	Page 26
_																	+			-		Pa
																	-	-				
					-																	
																				1		
Addition	al Instruction	ns: Ple	ase CC: cl	burton@ens	olum.co	om, agiovengo@ensolum.com	n, chamilton@	enso	lum.c	om,	ehaft	@en	solu	m.co	m, ie	strell	@en	solu	m.com		S.M.	
				ty of this sample. y be grounds for		re that tampering with or intentionally m on. Sampled by:	nislabelling the samp	ole loca	ition,			1000							ved on ice the da than 6 °C on sub		pled or	
Relinquish	ed by: (Signatu	ire)	Date	/10/24 Tin	9:15	Received by: (Signature)	Date Le 10	24	Time (C	45		Rece	ived	on ic	е.	Lab	Use (Only				
	ed by: (Signatu		Date O	The second secon	164:	Received by: (Signature)	Date	1.70	Time	7 00		T1				T2			T3			
Relinquist	ed by: (Signati	ıre)	Date (_			Received by: (Signature).	Date (0/12)	174	Time	100	1		Terr	np °C	4							
Sample Ma	trix: S - Soil, Sd -	Solid, Sg - Sl	udge, A - Anı	11.04		CAOX1	Contain	er Tv	ne: p -	plass		100-100-00			ambo	er glas	s v - V	ΟΔ				
			THE STATE OF THE S		unless o	other arrangements are made. Haza													eport for the	analysis of	the above	Pa
						with this COC. The liability of the lab														,,,		Page



Printed: 6/12/2024 12:16:07PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/12/24 0	9:00	Work Order ID:	E406104
Phone:	(972) 371-5200	Date Logged In:	06/11/24 1	5:53	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	06/17/24 1	7:00 (3 day TAT)		
Ch-i	C4- d (COC)					
	Custody (COC)		N			
	e sample ID match the COC? e number of samples per sampling site location mat	ch the COC	No			
	imples dropped off by client or carrier?	en the coc	Yes Yes	G : 6	.	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: C	<u>couter</u>	
	I samples received within holding time?	nou unun joos.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			·	Comment	s/Resolution
	urn Around Time (TAT)				E406104-02 sample jar	lahal did not match
	COC indicate standard TAT, or Expedited TAT?		Yes		= =	
Sample C			37		COC. Client confirmed	-
	ample cooler received?		Yes		is SW2-2-5ft, see green	COC for
	was cooler received in good condition?		Yes		corrections.	
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling risible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		•	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
18. Are no	on-VOC samples collected in the correct containers'	?	Yes			
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab	<u>el</u>					
20. Were	field sample labels filled out with the minimum info	rmation:				
	imple ID?		Yes			
	ate/Time Collected?		Yes	•		
	bllectors name?		Yes			
	<u>reservation</u> the COC or field labels indicate the samples were pr	ecerved?	No			
	mple(s) correctly preserved?	eserveu.	NA			
	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix		110			
	the sample waters:	sa?	Ma			
	does the COC specify which phase(s) is to be analy		No NA			
		zeu:	NA			
	act Laboratory	2	3.7			
	imples required to get sent to a subcontract laborato	•	No		27.6	
29. was a	subcontract laboratory specified by the client and it	so wno?	NA	Subcontract Lab	: NA	
Client In	struction					
						0

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406105

Job Number: 23003-0002

Received: 6/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/17/24

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

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

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

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

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

Date Reported: 6/17/24

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

Project Name: Dagger State TB

Workorder: E406105

Date Received: 6/12/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2024 9:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS07-2.5'	5
FS09-5'	6
FS10-5'	7
FS11-2'	8
FS12-1'	9
FS14-1'	10
FS15-1'	11
FS16-1'	12
FS17-1'	13
FS18-1'	14
SW03-2.5'	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.	Project Name:	Dagger State TB	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/17/24 16:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS07-2.5'	E406105-01A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS09-5'	E406105-02A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS10-5'	E406105-03A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS11-2'	E406105-04A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS12-1'	E406105-05A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS14-1'	E406105-06A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS15-1'	E406105-07A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS16-1'	E406105-08A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS17-1'	E406105-09A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
FS18-1'	E406105-10A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.
SW03-2.5'	E406105-11A	Soil	06/07/24	06/12/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS07-2.5' E406105-01

		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2424060
Benzene	ND	0.0250		1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250		1	06/12/24	06/14/24	
Toluene	ND	0.0250		1	06/12/24	06/14/24	
o-Xylene	ND	0.0250		1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500		1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		98.6 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		98.6 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/24	06/16/24	
Surrogate: n-Nonane		110 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2424069



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS09-5' E406105-02

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
Benzene	ND	0.0250	:	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250		1	06/12/24	06/14/24	
Toluene	ND	0.0250		1	06/12/24	06/14/24	
o-Xylene	ND	0.0250		1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500		1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		98.0 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		98.0 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/24	06/16/24	
Surrogate: n-Nonane		104 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424069
-	128	20.0		1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS10-5' E406105-03

		2.00100 00					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2424060
Benzene	ND	0.0250		 1	06/12/24	06/14/24	Datem 2 12 1000
Ethylbenzene	ND	0.0250	1	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		99.2 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		99.2 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/12/24	06/16/24	
Surrogate: n-Nonane		105 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424069
Chloride	49.7	20.0	1	1	06/12/24	06/13/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS11-2'

		E406105-04				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2424060
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		102 %	70-130	06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	06/12/24	06/14/24	
Surrogate: Toluene-d8		98.4 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		102 %	70-130	06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	06/12/24	06/14/24	
Surrogate: Toluene-d8		98.4 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		106 %	50-200	06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2424069
Chloride	107	20.0	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS12-1' E406105-05

Pagult			tion	Droparad	Analyzad	Notes
Resuit	Limit	Dilu	шоп	rrepared	Anaryzeu	Notes
mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2424060
ND	0.0250	1	ļ	06/12/24	06/14/24	
ND	0.0250	1	ļ	06/12/24	06/14/24	
ND	0.0250	1	ļ	06/12/24	06/14/24	
ND	0.0250	1	Į.	06/12/24	06/14/24	
ND	0.0500	1	Į.	06/12/24	06/14/24	
ND	0.0250	1		06/12/24	06/14/24	
	100 %	70-130		06/12/24	06/14/24	
	98.2 %	70-130		06/12/24	06/14/24	
	97.5 %	70-130		06/12/24	06/14/24	
mg/kg	mg/kg	1	Analyst: Г	Y		Batch: 2424060
ND	20.0	1		06/12/24	06/14/24	
	100 %	70-130		06/12/24	06/14/24	
	98.2 %	70-130		06/12/24	06/14/24	
	97.5 %	70-130		06/12/24	06/14/24	
mg/kg	mg/kg	I	Analyst: K	ΚM		Batch: 2424072
ND	25.0	1		06/12/24	06/16/24	
ND	50.0	1	<u> </u>	06/12/24	06/16/24	
	111 %	50-200		06/12/24	06/16/24	
mg/kg	mg/kg	1	Analyst: [DT		Batch: 2424069
26.6	20.0	1		06/12/24	06/13/24	
	ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOO % 98.2 % 97.5 % mg/kg MD 20.0 IOO % 98.2 % 97.5 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 III % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 100 % 70-130 98.2 % 70-130 97.5 % 70-130 mg/kg mg/kg ND 20.0 100 % 70-130 98.2 % 70-130 97.5 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 111 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: I ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 98.2 % 97.5 % 70-130 70-130 mg/kg mg/kg Analyst: I ND 20.0 1 100 % 70-130 70-130 97.5 % 70-130 70-130 mg/kg mg/kg Analyst: K ND 25.0 1 ND 50.0 1 III % 50-200 mg/kg Analyst: I	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0500 1 06/12/24 ND 0.0250 1 06/12/24 ND 70-130 06/12/24 98.2 % 70-130 06/12/24 97.5 % 70-130 06/12/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/12/24 97.5 % 70-130 06/12/24 97.5 % 70-130 06/12/24 97.5 % 70-130 06/12/24 97.5 % 70-130 06/12/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/12/24 ND 50.0 1 06/12/24 Mg/kg <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/12/24 06/14/24 ND 0.0500 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 98.2 % 70-130 06/12/24 06/14/24 98.2 % 70-130 06/12/24 06/14/24 97.5 % 70-130 06/12/24 06/14/24 98.2 % 70-130 06/12/24 06/14/24 97.5 % 70-130 06/12/24 06/14/24 97.5 % 70-130 06/12/24 06/14/24 mg/kg mg/kg Analyst: KM ND 50.0 <</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/12/24 06/14/24 ND 0.0500 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 98.2 % 70-130 06/12/24 06/14/24 98.2 % 70-130 06/12/24 06/14/24 97.5 % 70-130 06/12/24 06/14/24 98.2 % 70-130 06/12/24 06/14/24 97.5 % 70-130 06/12/24 06/14/24 97.5 % 70-130 06/12/24 06/14/24 mg/kg mg/kg Analyst: KM ND 50.0 <



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS14-1' E406105-06

		2100100 00					
Austra	Dk	Reporting Limit		ution	D 1	A a harman 1	N.A
Analyte	Result	Limit	Dili	uuon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
Benzene	ND	0.0250		1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250		1	06/12/24	06/14/24	
Toluene	ND	0.0250		1	06/12/24	06/14/24	
o-Xylene	ND	0.0250		1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500		1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		97.5 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		103 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		97.5 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/24	06/16/24	
Surrogate: n-Nonane		104 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424069
Chloride	55.3	20.0	_	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS15-1' E406105-07

		E400103-07				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
,				1	7 mary 200	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2424060
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	06/12/24	06/14/24	
Surrogate: Toluene-d8		98.1 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	06/12/24	06/14/24	
Surrogate: Toluene-d8		98.1 %	70-130	06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		107 %	50-200	06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2424069
Chloride	38.4	20.0	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS16-1' E406105-08

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
Benzene	ND	0.0250	1	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		99.2 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		99.2 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/12/24	06/16/24	
Surrogate: n-Nonane		109 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424069
Chloride	39.9	20.0	1	1	06/12/24	06/13/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS17-1' E406105-09

		2.00100 07					
Austra	Dk	Reporting			Dunand	A	Nister
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2424060
Benzene	ND	0.0250		1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250		1	06/12/24	06/14/24	
Toluene	ND	0.0250		1	06/12/24	06/14/24	
o-Xylene	ND	0.0250		1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500		1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		99.1 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		99.1 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/24	06/16/24	
Surrogate: n-Nonane		110 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2424069
Chloride	ND	20.0		1	06/12/24	06/13/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

FS18-1' E406105-10

		Reporting					
Analyte	Result	Limit	Diluti	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY			Batch: 2424060
Benzene	ND	0.0250	1		06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1		06/12/24	06/14/24	
Toluene	ND	0.0250	1		06/12/24	06/14/24	
o-Xylene	ND	0.0250	1		06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1		06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1		06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		97.4 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: Γ	Y		Batch: 2424060
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		97.4 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	Analyst: K	I.M		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0	1		06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		06/12/24	06/16/24	
Surrogate: n-Nonane		111 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: D	T		Batch: 2424069
Chloride	97.8	20.0	1		06/12/24	06/13/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:05:12PM

SW03-2.5' E406105-11

	Reporting					
Kesult	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
ND	0.0250		1	06/12/24	06/14/24	
ND	0.0250		1	06/12/24	06/14/24	
ND	0.0250		1	06/12/24	06/14/24	
ND	0.0250		1	06/12/24	06/14/24	
ND	0.0500		1	06/12/24	06/14/24	
ND	0.0250		1	06/12/24	06/14/24	
	101 %	70-130	·	06/12/24	06/14/24	
	99.2 %	70-130		06/12/24	06/14/24	
	97.8 %	70-130		06/12/24	06/14/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2424060
ND	20.0		1	06/12/24	06/14/24	
	101 %	70-130		06/12/24	06/14/24	
	99.2 %	70-130		06/12/24	06/14/24	
	97.8 %	70-130		06/12/24	06/14/24	
mg/kg	mg/kg		Analyst:	KM		Batch: 2424072
ND	25.0		1	06/12/24	06/16/24	
ND	50.0		1	06/12/24	06/16/24	
	107 %	50-200		06/12/24	06/16/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2424069
200	20.0		1	06/12/24	06/13/24	
	ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I01 % 99.2 % 97.8 % mg/kg ND 20.0 I01 % 99.2 % 97.8 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 I07 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 I01 % 70-130 99.2 % 70-130 97.8 % 70-130 mg/kg mg/kg ND 20.0 101 % 70-130 97.8 % 70-130 97.8 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 99.2 % 99.2 % 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 101 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 107 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0250 1 06/12/24 ND 0.0500 1 06/12/24 ND 0.0250 1 06/12/24 ND 70-130 06/12/24 99.2 % 70-130 06/12/24 97.8 % 70-130 06/12/24 mg/kg mg/kg Analyst: IY ND 20.0 1 06/12/24 99.2 % 70-130 06/12/24 97.8 % 70-130 06/12/24 97.8 % 70-130 06/12/24 97.8 % 70-130 06/12/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/12/24 ND 50.0 1 06/12/24 Mg/kg <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/12/24 06/14/24 ND 0.0500 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 97.8 % 70-130 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 97.8 % 70-130 06/12/24 06/14/24 97.8 % 70-130 06/12/24 06/14/24 mg/kg</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/12/24 06/14/24 ND 0.0500 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 ND 0.0250 1 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 97.8 % 70-130 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 99.2 % 70-130 06/12/24 06/14/24 97.8 % 70-130 06/12/24 06/14/24 97.8 % 70-130 06/12/24 06/14/24 mg/kg



QC Summary Data

Matador Resources, LLC.
Project Name: Dagger State TB
S400 LBJ Freeway, Suite 1500
Project Number: 23003-0002
Dallas TX, 75240
Project Manager: Ashley Giovengo

Volatile Organic Compounds by EPA 8260B
Analyst: IY

Dallas TX, 75240		Project Manager	:: As	shley Gioveng	go			6/1	7/2024 4:05:12PN
	V	olatile Organi	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424060-BLK1)							Prepared: 0	6/12/24 Anal	yzed: 06/14/24
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	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			
LCS (2424060-BS1)							Prepared: 0	6/12/24 Anal	yzed: 06/14/24
Benzene	2.60	0.0250	2.50		104	70-130	-		
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.49	0.0250	2.50		99.5	70-130			
o-Xylene	2.68	0.0250	2.50		107	70-130			
p,m-Xylene	5.36	0.0500	5.00		107	70-130			
Total Xylenes	8.05	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.504	0.0230	0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
Matrix Spike (2424060-MS1)				Source:	E406105-	04	Prepared: 06/12/24 Analyzed: 06/14/24		
Benzene	2.47	0.0250	2.50	ND	98.8	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.7	45-135			
Toluene	2.37	0.0250	2.50	ND	94.7	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.14	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.70	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			
Matrix Spike Dup (2424060-MSD1)				Source:	E406105-	04	Prepared: 0	6/12/24 Anal	yzed: 06/14/24
Benzene	2.73	0.0250	2.50	ND	109	48-131	10.1	23	
Ethylbenzene	2.76	0.0250	2.50	ND	110	45-135	11.0	27	
Toluene	2.65	0.0250	2.50	ND	106	48-130	11.1	24	
o-Xylene	2.90	0.0250	2.50	ND	116	43-135	12.6	27	
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135	11.6	27	
Total Xylenes	8.67	0.0250	7.50	ND	116	43-135	11.9	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
-									



0.500

0.498

99.5

70-130

Surrogate: Toluene-d8

Matrix Spike (2424060-MS2)

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/17/2024 4:05:12PM

	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2424060-BLK1)]	Prepared: 0	6/12/24 Analy	zed: 06/14/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130				
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130				
LCS (2424060-BS2)						1	Prepared: 0	6/12/24 Analy	zed: 06/14/24	
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130				
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130				
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130				

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130				
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130				
Surrogate: Toluene-d8	0.508		0.500		102	70-130				
Matrix Spike Dup (2424060-MSD2)				Source:	E406105-0)4	Prepared: 06	5/12/24 An	alyzed: 06/14/	24
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.3	70-130	3.93	20		

Source: E406105-04

Matrix Spike Dup (2424060-MSD2)	Source:	Source: E406105-04			6/12/24 Analyzed: 06/14/24			
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.3	70-130	3.93	20
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130		
Surrogate: Toluene-d8	0.503		0.500		101	70-130		

Prepared: 06/12/24 Analyzed: 06/14/24

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/17/2024 4:05:12PM

Dullus 171, 732 10		r roject ivianage.		iney Groveng	-				
	Nonha	logenated Or		Analyst: KM					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424072-BLK1)							Prepared: 0	6/12/24 Anal	yzed: 06/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.6		50.0		111	50-200			
LCS (2424072-BS1)							Prepared: 0	6/12/24 Anal	yzed: 06/16/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			
Matrix Spike (2424072-MS1)				Source:	E406105-	09	Prepared: 0	6/12/24 Anal	yzed: 06/16/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			
Matrix Spike Dup (2424072-MSD1)				Source:	E406105-	09	Prepared: 0	6/12/24 Anal	yzed: 06/16/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132	0.178	20	
Surrogate: n-Nonane	55.7		50.0		111	50-200			



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger State TE 3003-0002	3				Reported:
Dallas TX, 75240		Project Manager		Ashley Gioveng	o,				6/17/2024 4:05:12PM
		Anions	by EPA	300.0/9056 <i>A</i>	\				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424069-BLK1)							Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	ND	20.0							
LCS (2424069-BS1)							Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2424069-MS1)				Source:	E406105-	03	Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	300	20.0	250	49.7	100	80-120			
Matrix Spike Dup (2424069-MSD1)				Source:	E406105-	03	Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	300	20.0	250	49.7	100	80-120	0.0670	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:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/17/24 16:05

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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

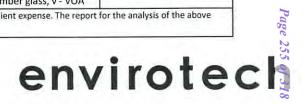


Released to Imaging: 8/26/2024 8:44:13 AM

Page _	1	_ of _	2

	Clie	nt Inform	nation			Invoice Information					La	b Us	e On	ly				TAT		Stat	е
Client: N	Natador Prod	uction C	ompany		Com	pany: Ensolum LLC		l	ab \	ŅO#			Job I				1D	2D 3	D Std	NM CO UT	TX
Project:	Dagger Stat	te TB			Add	ress: 3122 National Parks Hv	vy	_	E٤	ton	010	5	23	00	3-0	∞	2		X	X	
Project N	Aanager: Asl	nley Giov	rengo		City	, State, Zip: Carlsbad NM, 88	220														
Address	3122 Natio	nal Parks	Hwy		Pho	ne: 575-988-0055					À-,		Ana	lysis	and	Met	hod			EPA Progra	am
	e, Zip: Carls				Ema	ail: agiovengo@ensolum.co	m						TT							SDWA CWA	RCRA
	575-988-005					ellaneous:															
	giovengo@e		om							S	22				1. 1					Compliance Y	or N
										801	801			0			2			PWSID#	
-				Samp	le Informatio	n				DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
Time	Date Sampled	Matrix	No. of			Sample ID	Field	Lab	b	0/0	JQ/C	Xby	Cby	oride	200	Q 10	₹ 8			Remarks	
Sampled	Date Sampled	iviatrix	Containers		,	Sample 15	<u> </u>	Lab Numl	ber	DRC	GRC	BTE	Š.	-B	BGI	TCE	RCF				
10:30	6/7/2024	S	1		F	\$07 - 2.5'		1							X						
10:33	6/7/2024	S	1			FS09 - 5'		2							х					V.	
10:32	6/7/2024	S	1			FS10 - 5'		3							х						
10:36	6/7/2024	S	1			FS11 - 2'		4							х						
14:42	6/7/2024	S	1			FS12 - 1'		5							х						
14:54	6/7/2024	S	1		13	FS14 - 1'	M.	6							х						
14:57	6/7/2024	S	1			FS15 - 1'		Ť							х						
14:59	6/7/2024	S	1			FS16 - 1'		8	5		in				х						
15:01	6/7/2024	S	1			FS17 - 1'		9						Y	х			1			
15:03	6/7/2024	S	1			FS18 - 1'		1()						х				+		
					aboutar vest o							locto	ollad	0000	77.2						
Addition	ial Instructio	ns: Ple	ase CC: ci	ourton@e	nsolum.com,	agiovengo@ensolum.com, cl	namiito	oneen	15011	um.c	om,	iestr	enag	vens	olun	i.coi					
1, (field sam	pler), attest to the	validity and	d authenticity	of this sampl	e. I am aware that	tampering with or intentionally mislabel	ing the sa	mple loc	ation	, date	or time	e of co	llectio	n is co	nsider	ed frau	d and r	nay be g	rounds fo	or legal action.	
Sampled by				Marie Salvania	to a contract and contract																
The Colonial Colonia	ed by: (Signatur		Date		Time	Received by: (Signature)	Date		1	Time	Sto E	_								nust be received on ice the d	
0			61	10124		Middle (at	6	-10-2	4	1	04)			sampl	ed or re	ceived p	acked in	ice at an a	vg temp above 0 but less tha	n 6 °C on
Relinquish	ed by: (Signatu	re)	Date	11-24	Time 1645	Received by: (Signature)	Date		14	Time	70	0			Rec	eived	d on ic	ce: /	M/I	se Only	
Relinquish	ed by: (Signatur		Date	11.70	Time	Received by: (Signature)	Date	lpla	U	Time	10	1			T1			Т.	2	Т3	
Relinquish	ed by: (Signatur	re)	Date	11.14	Time	Received by: (Signature)	Date	1101	- 1	Time					A1/6	Ton	np °C	4			
Sample Mar	rix: S - Soil, Sd - S	olid Sa Sh	idae A - Aeru	nus O - Otho	•		Cor	tainer	Type	e: g -	glass	, p - I	ooly/i	plasti				ass, v -	VOA		
Note: Sam	nles are discard	ed 14 days	s after resul	ts are renor	ted unless other:	arrangements are made. Hazardous														t for the analysis of the	above
samples is	applicable only	to those s	amples rec	eived by the	laboratory with	this COC. The liability of the laborate	ory is lim	ited to	the a	mou	nt paid	d for d	on the	repo	rt.	08			OF CHEST		1.076.16





		Clie	nt Inforn	nation				Invoice Infor	mation				L	ab Us	e On	ly				TAT			State	
Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample Information Sample Information Sample ID Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample ID Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample Information Sample ID Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample Information Sample ID Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample ID Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample ID Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample Information Sample ID Sample Information Samp	Client: N	Natador Proc	luction C	ompany		Con	npany:	Ensolum LLC			La	ab WO	# .		Job I	Num	ber		1D 2	D 3D S	Std	NM C	O UT	TX
City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous: Sample Information Sample ID City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Sample Information City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com SDWA CWA RCRA SDWA CWA RCRA Compliance Y or N PWSID# Remarks Remarks						Add	ress: 31	122 National	Parks Hwy		_ E	40	010	35	23	2	3-00	20	7			X		=0
Email: agiovengo@ensolum.com Miscellaneous: Sample Information Sample Information Sample ID Sample ID Sample ID Sample ID Sample Information Sample Information Sample ID Sample Information Sample Information Sample Information Sample Information Sample ID Sample Information Sample ID Sample ID Sample ID Sample Information Sample ID Sample Information Sample ID Samp	Project N	Manager: As	hley Giov	engo		City	, State, Z	Zip: Carlsbad	NM, 88220															
Sample Information Time Sampled Matrix No. of Sample Information Sample Information	Address	3122 Natio	nal Parks	Hwy		Pho	ne: 57	5-988-0055							Ana	lysis	and I	Vet	nod					
Sample Matrix Sampled Matrix Sampled	City, Sta	e, Zip: Carls	bad NM,	88220		Em	ail: agi	ovengo@ens	olum.com												SI	DWA	CWA	RCRA
PWSID # PWSI	Phone:	575-988-005	5			Misc	ellaneou	us:										- 11			11 12		1.0	
13-57 6/7/2024 SW03 - 2-5'	Email: a	giovengo@e	nsolum.c	om								215	315										Υ	or N
13-57 6/7/2024 SW03 - 2-5'												Py 80	by 80	121	90	0.00	Σ	×	stals	4 1	PV	WSID#		
13-57 6/7/2024 SW03 - 2-5'					Sample	Informatio	n			- 4	Call	- 8 8	ORO	oy 80	y 82	de 3(C-N	500	8 M			D	amarke	
13-57 6/7/2024 SW03 - 2-5'	Time Sampled	Date Sampled	Matrix				Sample II	D		Filte	Numb	er %	3RO/I	3TEX I	/oc b	Chlori	3600	CEQ 1	RCRA			N	Ciliaiks	
	13:57	6/7/2024				S	W03 - 2.	.5'			1.1		1											
			5	1							11	- 9		-	-		^							
													-											
																	-							
														-							_			
																					- 1			
											-	-	+	+	-				-		_			
																	-							
																M								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																								
	Ifield sam	nler) attest to the	e validity an	d authenticity	of this sample	am aware that	tamnering	with or intentiona	ally mislabeling t	he sam	ple loca	tion, dat	e or ti	me of co	ollectio	n is co	nsidere	d frau	d and m	y be ground	ds for leg	al action.		
(field sampler) attest to the validity and authenticity of this sample. Lam 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.					77 7105 7101 (210)		,																	
(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.	-			Date	Tin	ne	Received	by: (Signature)			1. 7													
ampled by:Chad Hamilton relinquished by: (Signature) Date Time Received by: (Signature) Date Time Samples requiring thermal preservation must be received on ice the day they are	12			6	110/24		Mul	lle Gul	1	61	024		04	2									ut less than	16 C On
ampled by:Chad Hamilton	Relinquish	ed by (Signatu	re)	es le-	Tin	645	Received	by: (Signature)		Date .	11.7			00			Rece	ived	on ic		1	Only		
ampled by:Chad Hamilton	Relinquist	ed by: (Signatu	re)	Date	II 2 at /		Received	by: (Signature)		Date	7/2	24	90	20			T1			T2		I	3	
selinquished by: Chad Hamilton Chad Hamilton Date Time Received by: (Signature) Date Time 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 Chad Hamilton Date Time Received by: (Signature) Date Time Time Received by: (Signature) Date Time Time Received by: (Signature) Date Time Relinquish	ed by: (Signatu	re)	Date		ne	Received	by: (Signature)		Date		Tim	e							U					
Samples requiring thermal preservation must be received on ice the day they are sampled by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time Too Received by: (Signature) Date Time To Date Time Too Received by: (Signature) Date Time Too Received by: (Signature) Date Time Too Received by: (Signature) Date Time Too Date Time Too Time Too Date Time Too Date Time Too Date Time Too Time To															1		AVG	Ten	D° qr	T				



envirotecise envirotecise

Printed: 6/12/2024 11:57:53AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/12/24	09:00		Work Order ID:	E406105
Phone:	(972) 371-5200	Date Logged In:	06/11/24	15:56		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:		17:00 (4 day TAT)		66	
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location mate	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes		<u> </u>		
	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio	•				Comments	s/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	, were custody/security seals intact?						
•		(0.1200)	NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum infor	mation:					
	ample ID?		Yes				
	Oate/Time Collected?		Yes				
	Collectors name?		Yes				
	Preservation	10					
	the COC or field labels indicate the samples were pro	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	ract Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	a subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	n NA		
				Subcontract East	J. 1471		
Client I	<u>nstruction</u>						
							1

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406106

Job Number: 23003-0002

Received: 6/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/17/24

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

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

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

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

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

Date Reported: 6/17/24

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

Project Name: Dagger State TB

Workorder: E406106

Date Received: 6/12/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2024 9:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS25-1.5'	5
FS27-1.5'	6
FS28-1.5'	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	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Donoutodi
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/17/24 16:06

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS25-1.5'	E406106-01A Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
FS27-1.5'	E406106-02A Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
FS28-1.5'	E406106-03A Soil	06/10/24	06/12/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:06:02PM

FS25-1.5' E406106-01

		2.00100 01					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2424058
Benzene	ND	0.0250		1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250		1	06/12/24	06/14/24	
Toluene	ND	0.0250		1	06/12/24	06/14/24	
o-Xylene	ND	0.0250		1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500		1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		100 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		100 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/24	06/16/24	
Surrogate: n-Nonane		111 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2424069
Chloride	31.5	20.0	·	1	06/12/24	06/14/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:06:02PM

FS27-1.5' E406106-02

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: B	A		Batch: 2424058
Benzene	ND	0.0250	1		06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1		06/12/24	06/14/24	
Toluene	ND	0.0250	1		06/12/24	06/14/24	
o-Xylene	ND	0.0250	1		06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1		06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1		06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		101 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: B	A		Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		101 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: K	M		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0	1		06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		06/12/24	06/16/24	
Surrogate: n-Nonane		112 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: D	Т		Batch: 2424069
Chloride	36.0	20.0	1		06/12/24	06/14/24	·

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/17/2024 4:06:02PM

FS28-1.5' E406106-03

		2100100 00					
Aughte	Result	Reporting Limit		ution	Duomonod	Analyzed	Notes
Analyte	Kesuit	Limit	Dil	uuon	Prepared	Anaiyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2424058
Benzene	ND	0.0250		1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250		1	06/12/24	06/14/24	
Toluene	ND	0.0250		1	06/12/24	06/14/24	
o-Xylene	ND	0.0250		1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500		1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		100 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		06/12/24	06/14/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/12/24	06/14/24	
Surrogate: Toluene-d8		100 %	70-130		06/12/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424072
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/24	06/16/24	
Surrogate: n-Nonane		111 %	50-200		06/12/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424069
Chloride	ND	20.0		1	06/12/24	06/14/24	

Matador Resources, LLC. Project Name: Dagger State TB Reported:
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002
Dallas TX, 75240 Project Manager: Ashley Giovengo 6/17/2024 4:06:02PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/1	//2024 4:06:02PI
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424058-BLK1)							Prepared: 0	6/12/24 Analy	yzed: 06/14/24
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	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
LCS (2424058-BS1)							Prepared: 0	6/12/24 Analy	yzed: 06/14/24
Benzene	2.36	0.0250	2.50		94.5	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.2	70-130			
Toluene	2.34	0.0250	2.50		93.7	70-130			
o-Xylene	2.48	0.0250	2.50		99.4	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.38	0.0250	7.50		98.4	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
Matrix Spike (2424058-MS1)				Source:	E406108-	05	Prepared: 0	6/12/24 Analy	yzed: 06/14/24
Benzene	2.35	0.0250	2.50	ND	94.0	48-131			·
Ethylbenzene	2.47	0.0250	2.50	ND	99.0	45-135			
Toluene	2.36	0.0250	2.50	ND	94.3	48-130			
p-Xylene	2.48	0.0250	2.50	ND	99.1	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.33	0.0250	7.50	ND	97.7	43-135			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
Matrix Spike Dup (2424058-MSD1)				Source:	E406108-	05	Prepared: 0	6/12/24 Analy	yzed: 06/14/24
Benzene	2.41	0.0250	2.50	ND	96.4	48-131	2.48	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	3.79	27	
Toluene	2.45	0.0250	2.50	ND	97.8	48-130	3.71	24	
o-Xylene	2.59	0.0250	2.50	ND	104	43-135	4.56	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	4.24	27	
Total Xylenes	7.65	0.0250	7.50	ND	102	43-135	4.35	27	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
a	0.405		0.500		00.0	70 120			

0.500

0.500

99.0

102

70-130

70-130

0.495

0.508

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/17/2024 4:06:02PM

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

mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	3.T. 4
			mg/kg	/0	70	70	%0	Notes
						Prepared: 0	6/12/24	Analyzed: 06/14/24
ND	20.0							
0.491		0.500		98.1	70-130			
0.514		0.500		103	70-130			
0.505		0.500		101	70-130			
						Prepared: 00	6/12/24	Analyzed: 06/14/24
47.4	20.0	50.0		94.7	70-130		<u> </u>	
0.495		0.500		98.9	70-130			
0.496		0.500		99.1	70-130			
0.506		0.500		101	70-130			
			Source:	E406108-0	05	Prepared: 0	6/12/24	Analyzed: 06/14/24
47.7	20.0	50.0	ND	95.4	70-130			
0.506		0.500		101	70-130			
0.509		0.500		102	70-130			
0.505		0.500		101	70-130			
			Source:	E406108-0	05	Prepared: 0	6/12/24	Analyzed: 06/14/24
49.1	20.0	50.0	ND	98.2	70-130	2.90	20	
0.507		0.500		101	70-130			
0.502		0.500		100	70-130			
	0.491 0.514 0.505 47.4 0.495 0.496 0.506 47.7 0.506 0.509 0.505	0.491 0.514 0.505 47.4 20.0 0.495 0.496 0.506 47.7 20.0 0.506 0.509 0.505 49.1 20.0 0.507	0.491 0.500 0.514 0.500 0.505 0.500 47.4 20.0 50.0 0.495 0.500 0.496 0.500 0.506 0.500 47.7 20.0 50.0 0.506 0.500 0.509 0.500 0.505 0.500 49.1 20.0 50.0 0.507 0.500	0.491 0.500 0.514 0.500 0.505 0.500 47.4 20.0 50.0 0.495 0.500 0.496 0.500 0.506 0.500 Source: 47.7 20.0 50.0 ND 0.506 0.500 0.509 0.500 0.505 0.500 Source: 49.1 20.0 50.0 ND	0.491 0.500 98.1 0.514 0.500 103 0.505 0.500 101 47.4 20.0 50.0 94.7 0.495 0.500 98.9 0.496 0.500 99.1 0.506 0.500 101 Source: E406108-0 47.7 20.0 50.0 ND 95.4 0.506 0.500 101 Source: E406108-0 0.509 0.500 101 Source: E406108-0 0.505 0.500 101 Source: E406108-0 0.507 0.500 101	0.491 0.500 98.1 70-130 0.514 0.500 103 70-130 0.505 0.500 101 70-130 47.4 20.0 50.0 94.7 70-130 0.495 0.500 98.9 70-130 0.496 0.500 99.1 70-130 0.506 0.500 101 70-130 Source: E406108-05 47.7 20.0 50.0 ND 95.4 70-130 0.506 0.500 101 70-130 0.506 0.500 101 70-130 0.505 0.500 101 70-130 0.505 0.500 101 70-130 0.505 Source: E406108-05 49.1 20.0 50.0 ND 98.2 70-130 0.507 0.500 101 70-130	ND 20.0 0.491	0.491 0.500 98.1 70-130 0.514 0.500 103 70-130 0.505 0.500 101 70-130 Prepared: 06/12/24 47.4 20.0 50.0 94.7 70-130 0.495 0.500 98.9 70-130 0.496 0.500 99.1 70-130 0.506 0.500 101 70-130 Source: E406108-05 Prepared: 06/12/24 47.7 20.0 50.0 ND 95.4 70-130 0.506 0.500 101 70-130 0.506 0.500 101 70-130 0.506 0.500 101 70-130 0.506 0.500 101 70-130 0.506 0.500 101 70-130 0.507 ND 98.2 70-130 2.90 20 0.507 0.500 101 70-130



Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/17/2024 4:06:02PM

Danas 1X, 73240		1 Toject Wanage	1. 710	micy Gloveng	50				1772021 1.00.0211
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424072-BLK1)							Prepared: 0	6/12/24 Ana	lyzed: 06/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.6		50.0		111	50-200			
LCS (2424072-BS1)							Prepared: 0	6/12/24 Ana	lyzed: 06/16/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			
Matrix Spike (2424072-MS1)				Source:	E406105-	09	Prepared: 0	6/12/24 Ana	lyzed: 06/16/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			
Matrix Spike Dup (2424072-MSD1)				Source:	E406105-	09	Prepared: 0	6/12/24 Ana	lyzed: 06/16/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132	0.178	20	
Surrogate: n-Nonane	55.7		50.0		111	50-200			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		agger State TI 3003-0002	3				Reported:
Dallas TX, 75240		Project Number: Project Manager:		shley Gioveng	go				6/17/2024 4:06:02PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424069-BLK1)							Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	ND	20.0							
LCS (2424069-BS1)							Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2424069-MS1)				Source:	E406105-0)3	Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	300	20.0	250	49.7	100	80-120			
Matrix Spike Dup (2424069-MSD1)				Source:	E406105-0)3	Prepared: 0	6/12/24 A	nalyzed: 06/13/24
Chloride	300	20.0	250	49.7	100	80-120	0.0670	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:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/17/24 16:06

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

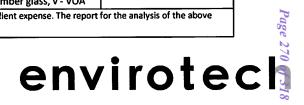
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



	Page	<u>-</u>	of	Recu
ate	:			eive
Τ	TX			d b
				9.0
				Š
ra		-	l	9
_	RC	RA	}	73
Y	or	N		Received by OCD: 7/17/2024 1:42:48 PM
			İ	24 1:
ks				42:4
				8 PM

	Clier	nt Inform	ation				Invoice Information	Lab Use Only				TAT				State							
Client: N	Natador Prod	luction Co	ompany			Cor	npany: Ensolum LLC		L	Lab WO# Job Number					1D	2D	3D	Std	NM CO UT	TX			
Project:	Dagger Stat	te TB			· ·	Add	dress: 3122 National Parks Hy	vy	E	E40101010 2202000				D3			_	х	x				
Project N	lanager: Asl	hley Giov	engo			City	, State, Zip: Carlsbad NM, 88	220	—Γ											-			
	3122 Nation					Pho	ne: 575-988-0055			ſ				Ana	lysis	and	Met	hod				EPA Program	n
City, Stat	e, Zip: Carls	bad NM,	88220			Em	ail: agiovengo@ensolum.co	m		ľ							Ĭ					SDWA CWA	RCRA
	575-988-005					Miscellaneous:								I			. 1						
	giovengo@ei		om								ᇄᅵ	ا م										Compliance Y	or N
											8015	8		_ 1	ا ب	_	l . I	ফ				PWSID#	
				Samı	ple Info	matic	on				S b	S Ş	802	8260	8	N.	05 - TJ	Meta					
Time Sampled	Date Sampled	Matrix	No. of Containers				Sample ID	Field	Lab Numb	oer	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	
16:16	6/10/2024	Soil	1			ı	FS25 - 1.5'		1							х							
16:15	6/10/2024	Soil	1	_	-	1	FS27 - 1.5'		a							х							
16:13	6/10/2024	Soil	1				FS28 - 1.5'		3	,						х							
				-																			
							<u> </u>			\dashv													
				_				_		\dashv													
								_		_								_	_	_	_		
Addition	al Instructio	ns: Plea	ase CC: cl	burton@e	nsolum	.com,	agiovengo@ensolum.com, cl	namilto	n@en	solı	ım.c	om,	iestr	ella@	ens	olun	n.con	n					
I, (field sam; Sampled by:		e validity and	l authenticity	of this samp	le. I am aw	are that	t tampering with or intentionally mislabel	ing the sa	mple loca	ation,	, date	or time	of co	llection	is cor	nsider	ed frau	d and	may b	e grou	nds for	legal action.	
	ed by: (Signatur	re)	Date	_	Time		Received by: (Signature)	Date		,]	Time											ast be received on ice the day	
	~lo€	A-	\[\bar{\chi}\]	11/24	8:12	7	Michelle Gonzale	& l a	ના ઋ	1	- 11	45	5				ed or re		packed	in ice a	et an av	g temp above 0 but less than 6	j°C on
Will	ed the signatur	onzale	S Date	11:24	Time		Received by: (Signature)	Date	.11.1	٠,	Time	70	ת כ				eived		ice:	\sim	ab Us	e Only	
Relinguish	ed by: (Signatur	re)	Date	નાન	Time	<u></u>	Received by: (Signature)	Date	12/2	ù	Time	10	S			 _{T1}				T2		Т3	
Relinquish	ed by: (Signatur	re)	Date	·111-127	Time	~_	Received by: (Signature)	Date	1-16		Time	<u>. </u>				Δν.σ.	i Ten	an °c	_ (4			
Sample Mat	rix: S - Soil, Sd - S	olid. Se - Shu	dge, A - Agus	eous, O - Othe	<u> </u>			Con	tainer	Type	2: g -	glass.	p - r	oly/r	olasti	c, ag	- amt	oer g	ass, v	, - v c)A		
						other	arrangements are made. Hazardous															for the analysis of the a	bove
							this COC. The liability of the laborate											•			-	·	





Page 271 of 318

Printed: 6/12/2024 11:58:01AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/12/24	09:00		Work Order ID:	E406106
Phone:	(972) 371-5200	Date Logged In:	06/11/24	15:59		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	06/18/24	17:00 (4 day TAT)			
	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	ch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes	,		<u>Commen</u>	ts/Resolution
Sample '	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	Container	temperature. <u></u>	<u> </u>				
	equeous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		ers conceted:	103				
	field sample labels filled out with the minimum info	rmation:					
	Sample ID?		Yes				
I	Date/Time Collected?		Yes	l			
(Collectors name?		Yes				
	Preservation						
	the COC or field labels indicate the samples were pro-	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved m	etals?	No				
<u>Multiph</u>	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	ract Laboratory						
28. Are s	samples required to get sent to a subcontract laborator	y?	No				
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client I	nstruction						
							1

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E406224

Job Number: 23003-0002

Received: 6/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/28/24

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

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

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

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

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

Date Reported: 6/28/24

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

Project Name: Dagger State TB

Workorder: E406224

Date Received: 6/24/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/24/2024 7:30:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS30-0'	5
FS31-0'	6
FS32-0'	7
FS87-0'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Keporteu.
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/28/24 11:25

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS30-0'	E406224-01A Soil	06/21/24	06/24/24	Glass Jar, 2 oz.
FS31-0'	E406224-02A Soil	06/21/24	06/24/24	Glass Jar, 2 oz.
FS32-0'	E406224-03A Soil	06/21/24	06/24/24	Glass Jar, 2 oz.
FS87-0'	E406224-04A Soil	06/21/24	06/24/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/28/2024 11:25:30AM

FS30-0' E406224-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2426016
Benzene	ND	0.0250	1	06/25/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/25/24	06/27/24	
Toluene	ND	0.0250	1	06/25/24	06/27/24	
o-Xylene	ND	0.0250	1	06/25/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/25/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/25/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2426016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2426019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/24	06/26/24	
Surrogate: n-Nonane		101 %	50-200	06/25/24	06/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2426023
Chloride	264	20.0	1	06/25/24	06/25/24	

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/28/2024 11:25:30AM

FS31-0'

		E406224-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2426016
Benzene	ND	0.0250	1	06/25/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/25/24	06/27/24	
Toluene	ND	0.0250	1	06/25/24	06/27/24	
o-Xylene	ND	0.0250	1	06/25/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/25/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/25/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2426016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2426019
Diesel Range Organics (C10-C28)	306	25.0	1	06/25/24	06/26/24	
Oil Range Organics (C28-C36)	118	50.0	1	06/25/24	06/26/24	
Surrogate: n-Nonane		99.9 %	50-200	06/25/24	06/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2426023
Chloride	589	20.0	1	06/25/24	06/25/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/28/2024 11:25:30AM

FS32-0' E406224-03

		2.0022.00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2426016
Benzene	ND	0.0250	1	06/25/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/25/24	06/27/24	
Coluene	ND	0.0250	1	06/25/24	06/27/24	
-Xylene	ND	0.0250	1	06/25/24	06/27/24	
o,m-Xylene	ND	0.0500	1	06/25/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/25/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2426016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/24	06/27/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2426019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/25/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/25/24	06/26/24	
Surrogate: n-Nonane		95.7 %	50-200	06/25/24	06/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2426023
Chloride	1100	20.0	1	06/25/24	06/26/24	



Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/28/2024 11:25:30AM

FS87-0'

		E406224-04				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2426016
Benzene	ND	0.0250	1	06/25/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/25/24	06/27/24	
Toluene	ND	0.0250	1	06/25/24	06/27/24	
o-Xylene	0.0436	0.0250	1	06/25/24	06/27/24	
p,m-Xylene	0.162	0.0500	1	06/25/24	06/27/24	
Total Xylenes	0.206	0.0250	1	06/25/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2426016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	06/25/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2426019
Diesel Range Organics (C10-C28)	2740	25.0	1	06/25/24	06/26/24	
Oil Range Organics (C28-C36)	709	50.0	1	06/25/24	06/26/24	
Surrogate: n-Nonane		110 %	50-200	06/25/24	06/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: JM		Batch: 2426023
Chloride	1230	20.0	1	06/25/24	06/26/24	



Matador Resources, LLC. Dagger State TB Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 6/28/2024 11:25:30AM **Volatile Organics by EPA 8021B** Analyst: BA Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2426016-BLK1) Prepared: 06/25/24 Analyzed: 06/27/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.42 8.00 92.7 70-130 LCS (2426016-BS1) Prepared: 06/25/24 Analyzed: 06/27/24 5.07 5.00 101 70-130 0.0250 Benzene Ethylbenzene 4.78 0.0250 5.00 95.6 70-130 70-130 Toluene 5.00 0.0250 5.00 100 4.88 97.5 70-130 o-Xylene 0.0250 5.00 9.82 0.0500 10.0 98.2 70-130 p,m-Xylene 14.7 98.0 70-130 0.0250 15.0 Total Xylenes 70-130 7.47 8.00 93.3 Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike (2426016-MS1)				Source:	E406219-	02	Prepared: 06/25/24 Analyzed: 06/27/24
Benzene	5.12	0.0250	5.00	ND	102	54-133	
Ethylbenzene	4.80	0.0250	5.00	ND	96.1	61-133	
Toluene	5.03	0.0250	5.00	ND	101	61-130	
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130	

Matrix Spike Dup (2426016-MSD1)				Source:	E406219-	02	Prepared: 00	5/25/24 Analyzed: 06/27/24
Benzene	5.04	0.0250	5.00	ND	101	54-133	1.61	20
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	1.43	20
Toluene	4.96	0.0250	5.00	ND	99.1	61-130	1.51	20
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	1.45	20
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	63-131	1.40	20
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131	1.42	20
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130		

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

46.5

8.50

20.0

QC Summary Data

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/28/2024 11:25:30AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/	28/2024 11:25:30AN	
	Non	halogenated	Organics l	by EPA 80	15D - G	RO		Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2426016-BLK1)							Prepared: 0	6/25/24 Ana	alyzed: 06/27/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.34		8.00		104	70-130				
LCS (2426016-BS2)							Prepared: 0	6/25/24 Ana	alyzed: 06/27/24	
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130				
Matrix Spike (2426016-MS2)				Source:	E406219-	02	Prepared: 0	6/25/24 Ana	alyzed: 06/27/24	
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.5	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		106	70-130				
Matrix Spike Dup (2426016-MSD2)				Source:	E406219-	02	Prepared: 0	6/25/24 Ana	alyzed: 06/27/24	

50.0

8.00

ND

93.0

106

70-130

70-130

4.77

20

Matador Resources, LLC.Project Name:Dagger State TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/28/2024 11:25:30AM

Dullus 171, 732 10		Troject Manage	. 710	mey Groveng	-				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2426019-BLK1)							Prepared: 0	6/25/24 Analy	vzed: 06/25/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.0		50.0		95.9	50-200			
LCS (2426019-BS1)							Prepared: 0	5/25/24 Analy	zed: 06/25/24
Diesel Range Organics (C10-C28)	291	25.0	250		116	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike (2426019-MS1)				Source:	E406220-	01	Prepared: 0	6/25/24 Analy	zed: 06/25/24
Diesel Range Organics (C10-C28)	321	25.0	250	ND	129	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			
Matrix Spike Dup (2426019-MSD1)				Source:	E406220-	01	Prepared: 0	6/25/24 Analy	zed: 06/25/24
Diesel Range Organics (C10-C28)	309	25.0	250	ND	123	38-132	4.06	20	
Surrogate: n-Nonane	53.1		50.0		106	50-200			

Chloride

Matrix Spike Dup (2426023-MSD1)

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manage	: 2	Dagger State TI 3003-0002 Ashley Gioveng				6	Reported: 5/28/2024 11:25:30AM
		Anions	by EPA	300.0/9056 <i>A</i>	A				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2426023-BLK1)							Prepared: 0	6/25/24 Ar	nalyzed: 06/25/24
Chloride	ND	20.0							
LCS (2426023-BS1)							Prepared: 0	6/25/24 Ar	alyzed: 06/25/24
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2426023-MS1)				Source:	E406220-	02	Prepared: 0	6/25/24 Ar	nalyzed: 06/25/24
Chloride	298	200	250	ND	119	80-120			

250

Source: E406220-02

122

80-120

2.64

ND

200

306

QC Summary Report Comment:

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



Prepared: 06/25/24 Analyzed: 06/25/24

M6

20

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/28/24 11:25

M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS

recoveries.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 8/26/2024 8:44:13 AM

400000	1	- 2	١
Page _		of	'
H 1-17-0-1			

	Clien	nt Inform	nation			Invoice Information	n				Lab	Use	Only				-	TAT		Stat	e
Client: N	Natador Prod	luction C	ompany		Co	mpany: Ensolum LLC		L	ab W	VO#		.]	ob N	umbe	er	_ 1	D 21	D 3D	Std	NM CO UT TX	
Project:	Dagger Stat	te TB			A	ddress: 3122 National Parks I	Hwy	E	= 40	06	22	4:	230	034	∞	8			X	X	
Project N	Manager: Asl	hley Giov	engo		Ci	ty, State, Zip: Carlsbad NM, 8	8220														
Address:	3122 Nation	nal Parks	Hwy		Ph	one: 575-988-0055						1	naly	sis a	nd M	leth	bc			EPA Progr	am
City, Stat	e, Zip: Carls	bad NM,	88220		E	mail: agiovengo@ensolum.o	com													SDWA CWA	RCRA
Phone: !	575-988-005	5			Mi	scellaneous:												1			1 = 1
Email: a	giovengo@e	nsolum.c	om							15	15									Compliance Y	or N
										y 8015	y 8015	7	0	0.0	5 3	×	a s			PWSID#	
				Sam	ole Informat	ion				RO b	ROb	/ 802	826	e 30	N N	05-1	Met				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	per	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remark	
8:31	6/21/2024	S	1			FS30 - 0'		1							х						
8:33	6/21/2024	S	1			FS31 - 0'		2							х						
8:34	6/21/2024	S	1			FS32 - 0'		3					T		х						
8:37	6/21/2024	S	1			FS87 - 0'		1	1.			1			х						
											1	+		+		1					
									+	+	+	+	+		+	+	+	1			
									+	+	+	+	+	+		+	+	+			
							-		-	+	-	+	+	+		+	+	+			
Addition	ial Instructio	ns: Ple	ase CC: cb	urton@e	nsolum.com	, agiovengo@ensolum.com,	chamilto	n@en	solu	m.co	m, ie	stre	la@(ensol	um.c	com					
	pler), attest to the		dauthenticity	of this samp	le. I am aware th	at tampering with or intentionally mislab	peling the sa	mple loca	ation, o	date or	time c	of colle	ction i	s consi	dered t	fraud a	and may	y be grou	nds for	legal action.	
	ed-by: (Signatu		Date		Time	Received by: (Signature)	Date		Т	ime				Sa	mples r	requirir	g therm	al preserva	ation mu	ust be received on ice the d	ay they are
-			610	21/24		Michelle Gonza	lec In	11. 20	4	111	5	- 10					ived pacl	ked in ice a	t an ave	g temp above 0 but less tha	n 6 °C on
Relinquish	ed by: (Signatu	re)	Date / O-	21.24	Time 1620	Received by: (Signature)	Date	21/20		ime	150				eceiv		on ice		ab Us	se Only	
Relinquish	ed by: (Signatu	re)	Date 6/	11/24	Time 1730	Received by: (Signature)	Date	_	_	Time				,,	1	veu c) I ICC	T2	7 11	T3	
Relinquish	ed by: (Signatu	re)	Date	-11-1	Time	Received by (Signature)	Date	1241		Time	1			1	VG T	'ora-	00	4			
Sample Ma	trix: S - Soil, Sd - S	olid Se - Sh	dge A - Aquer	ous O - Oth	r	Kana dunny		tainer) - po	lv/pl					. v - VC	A		
						r arrangements are made. Hazardo														for the analysis of the	ahove
						h this COC. The liability of the labor											capens	c. me.t	Choir	is. the undigue of the	



Printed: 6/26/2024 8:30:54AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/24/24	07:30		Work Order ID:	E406224
Phone:	(972) 371-5200	Date Logged In:	06/24/24	16:52		Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does tl	ne sample ID match the COC?		Yes				
2. Does tl	ne number of samples per sampling site location mate	h the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comments	s/Resolution
Sample 7	<u> [urn Around Time (TAT)</u>						
6. Did the	e 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 th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field Lal	<u>bel</u>						
	field sample labels filled out with the minimum infor	mation:	**				
	ample ID?		Yes				
	nate/Time Collected? collectors name?		Yes				
	Preservation		Yes				
	the COC or field labels indicate the samples were pre	eserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
	se Sample Matrix		110				
	the sample have more than one phase, i.e., multiphas	a?	Nie				
	, does the COC specify which phase(s) is to be analyze		No				
		zcu:	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator		No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client II	<u>nstruction</u>						
							1

Date



APPENDIX F

NMOCD Correspondence

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

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

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

QUESTIONS

Action 305598

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	305598
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites							
Incident ID (n#)	nAPP2401854801						
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0						
Incident Type	Oil Release						
Incident Status	Notification Accepted						

Location of Release Source	
Site Name	Dagger State TB
Date Release Discovered	01/17/2024
Surface Owner	State

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	8,750
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	01/26/2024
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	n/a
Please provide any information necessary for navigation to liner inspection site	32.4493° N, -103.61629° W

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

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

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

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

CONDITIONS

Action 305598

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	305598
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	1/19/2024

Attachments:

From: Velez, Nelson, EMNRD To: Ashley Giovengo

Cc: clinton.talley@matadorresources.com; jason.touchet@matadorresources.com; Cole Burton; Chad Hamilton;

Israel Estrella

Re: [EXTERNAL] Extension Request - Matador Production Company - Dagger State TB - Incident Number Subject:

nAPP2401854801

Date: Tuesday, April 9, 2024 9:40:53 AM image001.png

image002.png image003.png

image004.png Outlook-ffxxsup5.png

[**EXTERNAL EMAIL**]

Good morning Ashley,

Thank you for the inquiry. Your 90-day time extension request is approved. Remediation Due date has been updated to July 15, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Tuesday, April 9, 2024 9:26 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD

<Nelson.Velez@emnrd.nm.gov>; clinton.talley@matadorresources.com

<cli><clinton.talley@matadorresources.com>; Jason Touchet <jason.touchet@matadorresources.com>

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

Subject: [EXTERNAL] Extension Request - Matador Production Company - Dagger State TB - Incident Number nAPP2401854801

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

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of April 15, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Dagger State TB (Incident Number nAPP2401854801). The release occurred on January 17, 2024, due to a gasket on a heater treater; Approximately 40 barrels (bbls) of crude oil and 10 bbls of produced water was released. The release occurred inside lined containment and a 33, 756 square foot area off-pad was misted by crude oil. A liner inspection was completed on January 31, 2024, and the liner was found to have remained intact. Lateral and vertical delineation sampling to the strictest closure criteria per NMOCD Table I has been completed and an archaeological survey of the off-pad spill area has been in accordance with the CPP Rule. In order to complete remediation and confirmation sampling at the Site, Matador will provide Merchant Cattle Company with a 15-day notice for planned remediation activities and complete remediation and final confirmation sampling within the next 90-days. Matador will submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Matador respectfully requests an extension until July 15, 2024.

Matador will upload this extension request via NMOCD web portal if the division can please verify the location where it needs to be uploaded.

Thanks,



"Your authenticity is your superpower." – Unknown

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

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

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

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

QUESTIONS

Action 308467

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	308467
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger State TB
Date Release Discovered	01/17/2024
Surface Owner	State

Liner Inspection Event Information		
Please answer all the questions in this group.		
What is the liner inspection surface area in square feet	8,750	
Have all the impacted materials been removed from the liner	Yes	
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	01/31/2024	
Time liner inspection will commence	09:30 AM	
Please provide any information necessary for observers to liner inspection	N/A	
Please provide any information necessary for navigation to liner inspection site	32.4493, -103.61629	

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

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

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

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

CONDITIONS

Action 308467

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	308467
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

Created By		Condition Date
c_talley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	1/26/2024

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

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

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

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

QUESTIONS

Action 348260

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	348260
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name DAGGER STATE TB	
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	34,114	
What is the estimated number of samples that will be gathered	176	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/30/2024	
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	32.4493 -103.61629	

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

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

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

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

CONDITIONS

Action 348260

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	348260
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touche	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/28/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

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

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

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

QUESTIONS

Action 348297

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	348297
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	34,114	
What is the estimated number of samples that will be gathered	176	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/31/2024	
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	32.4493,-103.61629	

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

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

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

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

CONDITIONS

Action 348297

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	348297
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/28/2024

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

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

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

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

QUESTIONS

Action 348300

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	348300
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	34,114	
What is the estimated number of samples that will be gathered	176	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2024	
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	32.4493,-103.61629	

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

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

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

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

CONDITIONS

Action 348300

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	348300
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/28/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

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

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

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

QUESTIONS

Action 349644

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349644
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,114
What is the estimated number of samples that will be gathered	176
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2024
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	L-30-21S-33E (32.4493, -103.61629)

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

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

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

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

CONDITIONS

Action 349644

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349644
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		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.	5/31/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

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

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

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

QUESTIONS

Action 349645

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349645
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	34,114	
What is the estimated number of samples that will be gathered	176	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2024	
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	L-30-21S-33E (32.4493, -103.61629)	

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

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

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

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

CONDITIONS

Action 349645

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349645
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		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.	5/31/2024

District III

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

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

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

QUESTIONS

Action 349647

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349647
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name DAGGER STATE TB	
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	34,114	
What is the estimated number of samples that will be gathered	176	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2024	
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	L-30-21S-33E (32.4493, -103.61629)	

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

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

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

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

CONDITIONS

Action 349647

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349647
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		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.	5/31/2024

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

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

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

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

QUESTIONS

Action 349648

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349648
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	34,114	
What is the estimated number of samples that will be gathered	176	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/07/2024	
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	L-30-21S-33E (32.4493, -103.61629)	

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

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

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

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

CONDITIONS

Action 349648

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	349648
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		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.	5/31/2024

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

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 352396

QUESTIONS		
Derator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240		OGRID: 228937 Action Number: 352396 Action Type: [NOTIFY] Notification Of Sampling (C-141N)
QUESTIONS		[] remodates e. camping (e · · · · ·)
Prerequisites		
Incident ID (n#)		
Incident Name	NAPP2401854801 DAG	GGER STATE TB @ 0
Incident Type	Oil Release	
Incident Status	Initial C-141 Approved	1
Location of Release Source		
Site Name	DAGGER STATE TB	
Date Release Discovered	01/17/2024	
Surface Owner	State	
Sampling Event General Information Please answer all the questions in this group. What is the sampling surface area in square feet	24 114	
What is the estimated number of samples that will be gathered	34,114 176	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/10/2024	
Time sampling will commence	09:00 AM	
Warning: Notification can not be less than two business days prior to conducting final sampling	ng.	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32 4493 -103 61629	

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

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

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

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

CONDITIONS

Action 352396

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	352396
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/10/2024

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

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

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

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

QUESTIONS

Action 355931

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	355931
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites		
Incident ID (n#)	nAPP2401854801	
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0	
Incident Type	Oil Release	
Incident Status	Initial C-141 Approved	

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	01/17/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,523	
What is the estimated number of samples that will be gathered	4	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/21/2024	
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	32.4493,-103.61629	

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

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

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

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

CONDITIONS

Action 355931

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	355931
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/19/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

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

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

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

QUESTIONS

Action 364916

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364916
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Prerequisites	
Incident ID (n#)	nAPP2401854801
Incident Name	NAPP2401854801 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DAGGER STATE TB
Date Release Discovered	01/17/2024
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications f	or the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Gasket Crude Oil Released: 40 BBL Recovered: 20 BBL Lost: 20 BBL.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Gasket Produced Water Released: 10 BBL Recovered: 10 BBL Lost: 0 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)	Released a total. 50 BBIs, Recover a total of 30 BBLS, 20BBIs.loss	

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

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 364916

Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTI	IONS (continued)	
Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	364916	
	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.	e. gas only) are to be submitted on the C-129 form.	
Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s The source of the release has been stopped	True	
	The	
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.	
	Liation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	

Name: Jason Touchet Title: EHS Field Rep

Date: 07/17/2024

Email: jason.touchet@matadorresources.com

I hereby agree and sign off to the above statement

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

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

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

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

QUESTIONS, Page 3

Action 364916

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364916
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

Remediation Plan			
Please answer all the questions ti	hat apply or are indicated. This information must be provided t	o the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation	plan approval with this submission	Yes	
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	on 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	al extents of contamination been fully delineated	Yes	
Was this release entirely c	ontained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		nilligrams per kilograms.)	
Chloride	(EPA 300.0 or SM4500 CI B)	5430	
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	20740	
GRO+DRO	(EPA SW-846 Method 8015M)	12400	
BTEX	(EPA SW-846 Method 8021B or 8260B)	0	
Benzene	(EPA SW-846 Method 8021B or 8260B)	0	
	NMAC unless the site characterization report includes complete the state of the site characterization report includes complete the state of the stat	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC	
On what estimated date will the remediation commence		05/28/2024	
On what date will (or did) the final sampling or liner inspection occur		06/21/2024	
On what date will (or was) the remediation complete(d)		06/21/2024	
What is the estimated surfa	ace area (in square feet) that will be reclaimed	1175	
What is the estimated volu	me (in cubic yards) that will be reclaimed	87	
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 95		954	
These estimated dates and measu	rements are recognized to be the best guess or calculation at t	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.

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

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

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

QUESTIONS, Page 4

Action 364916

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364916
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

e appropriate district office no later than 90 days after the release discovery date.
e / reduce contaminants:
Yes
Not answered.
Not answered.
Not answered.
Yes
R360
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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: jason.touchet@matadorresources.com

Date: 07/17/2024

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.

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

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

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

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

QUESTIONS, Page 5

Action 364916

QUESTIONS (continued)

Operator.	U	GRID.	
MATADOR PRODUCTION COMPANY		228937	
One Lincoln Centre		ction Number:	
Dallas, TX 75240		364916	
	Α	ction 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	Electrical poles		
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1175		
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	87		
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas imme remediation could cause a major facility deconstruction, the remediation, restoration and reclamatic the well or facility is plugged or abandoned, whichever comes first.			
Enter the facility ID (f#) on which this deferral should be granted	Dagger State Northwest Facility Flare Stack [fAPP2312234124]		
Enter the well API (30-) on which this deferral should be granted		GER STATE COM #512H	
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation.	efforts at remediation, the re	eport must include a proposed remediation plan in accordance with 19.15.29.12 NMAC	
I hereby certify that the information given above is true and complete to the best of my to report and/or file certain release notifications and perform corrective actions for relet the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 repolocal laws and/or regulations.	eases which may endan adequately investigate	ger public health or the environment. The acceptance of a C-141 report by and remediate contamination that pose a threat to groundwater, surface	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/17/2024		

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

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

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

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

QUESTIONS, Page 6

Action 364916

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre Dallas, TX 75240	Action Number: 364916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

Sampling Event Information		
Last sampling notification (C-141N) recorded	355931	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/21/2024	
What was the (estimated) number of samples that were to be gathered	4	
What was the sampling surface area in square feet	1523	

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	

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

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

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

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

CONDITIONS

Action 364916

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364916
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Created	Condition	Condition
Ву		Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	8/26/2024