



July 21, 2025

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

**Re: Deferral Request
Dagger State SWD
Incident Number nAPP2512532447
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 assessment and soil sampling activities performed at the Dagger State SWD (Site) in Unit G, Section 30, Township 21 South, Range 33 East, in Lea County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil resulting following a release of produced water inside the lined secondary containment. Based on field observations, field screening activities, and 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 nAPP2512532447 until the Site is reconstructed and/or the pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Lea County, New Mexico (32.44961°, -103.60718°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On May 4, 2025, an equipment failure caused the overflow of a produced water tank inside the lined secondary containment at the Site. The tank overflow resulted in the release of approximately 185 barrels (bbls) of produced water; 185 bbls of produced water were recovered via vacuum truck. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on May 5, 2025. The release was assigned Incident Number nAPP2512532447. A 48-hour advance notice of a liner inspection was provided via email to the NMOCD office on May 6, 2025. A liner integrity inspection was conducted by Ensolum personnel on May 9, 2025, and the liner was determined to be insufficient to contain the release in question. The release impacted an area approximately 633 square feet in size on the north side of the lined secondary containment. The Form C-141 can be referenced within the NMOCD Incident Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

According to the New Mexico Office of the State Engineer (NMOSE), the closest permitted groundwater well with depth to groundwater data is CP 1882 POD1, located approximately 1,131 feet northeast of the release area with a reported depth to groundwater greater than 106 feet below ground surface (bgs) and a total depth of 106 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry was, located approximately 2.14 miles south-southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

CULTURAL RESOURCE SURVEY

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

SITE ASSESSMENT ACTIVITIES

On May 5, 2025, May 8, 2025, May 19, 2025, and May 20, 2025, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ensolum personnel mapped the release extent and collected nine lateral delineation soil samples (SS01 through SS04, SS04A through SS04C, SS05, and SS06) from the edge of the release extent at ground surface and 1-foot bgs. On May 9, 2025, Ensolum personnel completed a liner integrity inspection, and four holes were identified in the lined secondary containment liner. Ensolum personnel advanced 4 boreholes (BH01 through BH04) via hand auger inside the lined secondary containment. Boreholes BH01, BH02 and BH04 were advanced to a depth of 1-foot bgs and borehole BH03 was advanced to a depth of 3 feet bgs. One borehole, BH05, was advanced within the impacted area on the north side of the containment to a depth of 2 feet bgs. Soils from lateral delineation and vertical delineation soil sampling were field screened for TPH utilizing a calibrated PetroFLAG® soil analyzer system and for chloride using Hach® chloride QuanTab® test strips respectively.

The delineation soil sample locations are depicted on Figure 2. Lithologic Sample Logs are included as Appendix B. Photographs were taken during the liner integrity inspection and during soil sampling activities and a photographic log is included in Appendix C.

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

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

On June 9, 2025, impacted soil was excavated via hydrovac from the release extent outside of containment as indicated by visible staining and delineation soil sampling results. The excavation occurred on the north side of the lined secondary tank containment. To direct excavation activities, Ensolum personnel field screened soil for TPH and chloride utilizing the same manner as previously described.

Following removal of the impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor of the scrape. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS04) were collected from the floor of the excavation at a depth of 0.5 feet bgs. Due to the shallow nature of the excavation (0.5 feet bgs), sidewall samples were incorporated into the confirmation floor samples. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 637 square feet. A total of approximately 15 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS04, SS04B through SS04C, SS05, and SS06) collected from around the release extent, were in compliance with the Site Closure criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface. Laboratory analytical results for lateral delineation soil sample SS04A indicated COC concentrations were in compliance with the Site Closure Criteria at ground surface and with the strictest Closure Criteria at a depth of 1-foot bgs. Laboratory analytical results from delineation boreholes BH01, BH02, and BH04, collected inside the secondary containment, and borehole BH05, collected from within the release extent on-pad, were all in compliance with the Site Closure Criteria and the strictest Closure Criteria at ground surface. Borehole BH03, collected from the release area, exceeded the Site Closure Criteria at the ground surface but was in compliance with the Site Closure Criteria and with the strictest Closure Criteria at a depth of 1-foot bgs. BH03 is located within the secondary containment, near an above ground storage tank and piping.

Laboratory analytical results for excavation floor samples FS01 and FS03, collected from the floor of the release extent, were in compliance with the Site Closure criteria and with the strictest Closure Criteria per NMOCD Table I at a depth of 0.5 feet bgs. Laboratory analytical results for excavation floor samples FS02 and FS04, collected at 0.5 feet bgs, were in compliance with the Site Closure Criteria at a depth of 0.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical report is included as Appendix D.

Matador Production Company
Dagger State SWD
Deferral Request



RECLAMATION PLAN

The release remained on the well pad that is currently in operation for oil and gas production purposes. As such, the release area is not expected to be reclaimed until the oil and gas well is plugged and abandoned (P&A'd) and the well pad is reclaimed. The *Reclamation Plan* for this release will default to the NMSLO-approved *Reclamation Plan* for the well pad per 19.2.100.67 NMAC. The excavation will be backfilled with locally sourced caliche to match the well pad's current grade, and the backfilled area will not be seeded since it is within the active well pad.

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 based on analytical results for borehole BH03 measures approximately 4,405 square feet, and assuming a depth of up to 1-foot bgs under the lined containment with a total of approximately 163 cubic yards of impacted soil remaining in place. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS03, SS04A through SS04C, SS05 and SS06 at ground surface and vertically delineated by borehole samples (BH01 through BH05) at depths ranging from 1-foot and 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 100 feet bgs, and all accessible impacted soil was removed 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 nAPP2512532447 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

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

Chad Hamilton
Project Geologist

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

Daniel R. Moir, PG
Senior Managing Geologist

cc: Jason Touchet, Matador

Matador Production Company
Dagger State SWD
Deferral Request



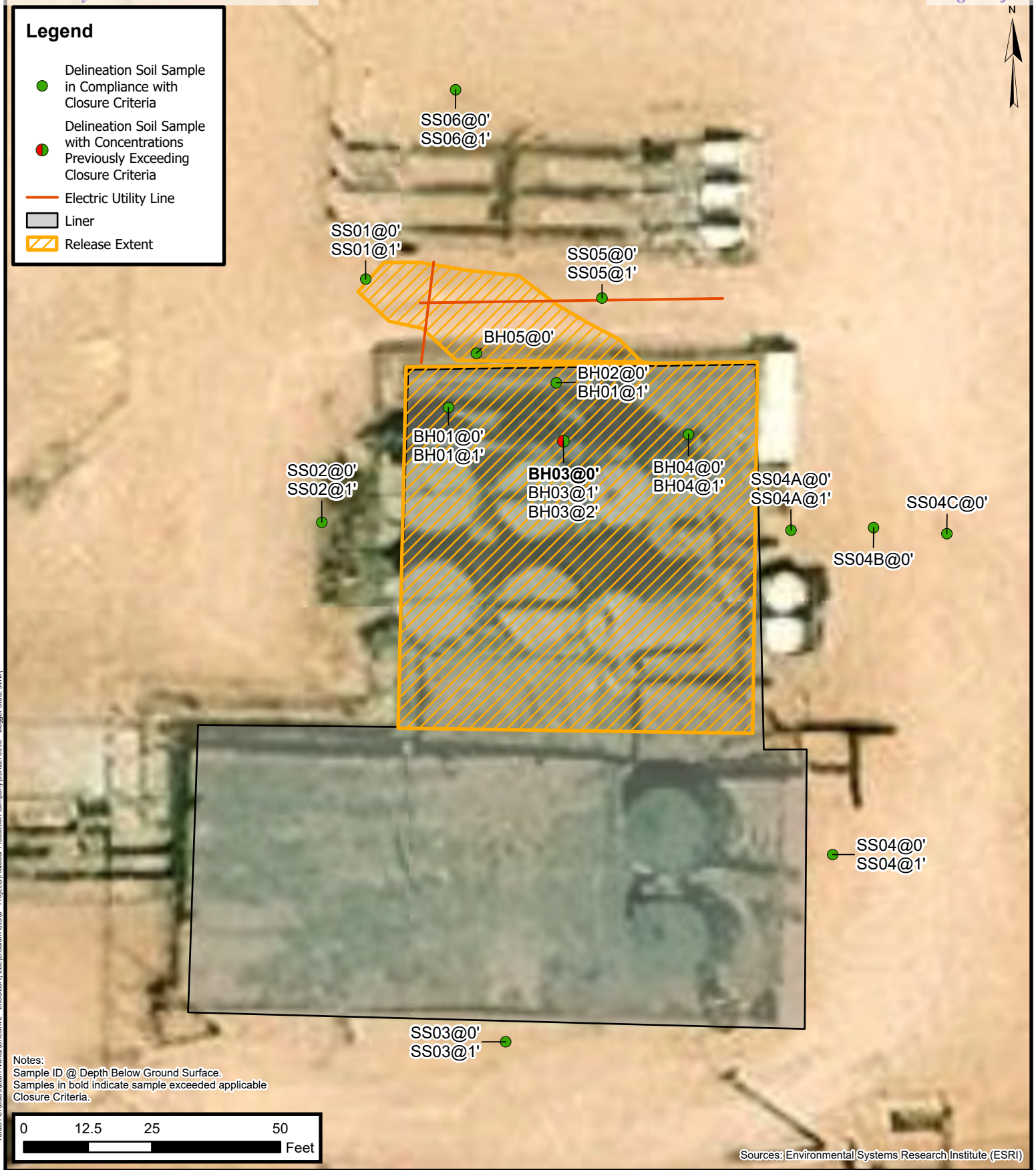
Appendices:

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



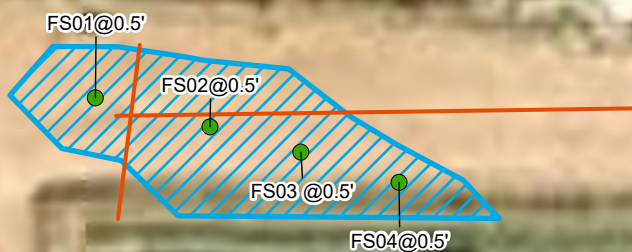
FIGURES



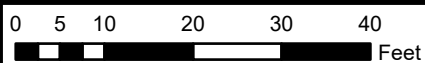


Legend

- Sample Location
- Electric Utility Line
- ▨ Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Location

Matador Production Company
Dagger State SWD
Incident Number: nAPP2512532447
Unit G, Section 30, T 21S, R 33E
Lea County, New Mexico

FIGURE**3**

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Deferral Area



Sources: Environmental Systems Research Institute (ESRI)

**Area of Requested Deferral**

Matador Production Company
 Dagger State SWD
 Incident Number: nAPP2512532447
 Unit G, Section 30, T 21S, R 33E
 Lea County, New Mexico

FIGURE**4**



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Dagger State SWD
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	5/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.9
SS01	5/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.9
SS02	5/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	5/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	155
SS03	5/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.7
SS04	5/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.2
SS04A	6/9/2025	0	<0.0250	<0.0500	<20.0	87.2	138.0	87.2	225.2	<20.0
SS04A	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04B	6/20/2025	0	<0.0250	<0.0500	<20.0	27.5	55.3	27.5	82.8	23.7
SS04C	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	5/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
SS05	5/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	114
SS06	5/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	5/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	128

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Dagger State SWD
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH01	5/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	5/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	5/9/2025	0	<0.0250	<0.0500	<20.0	409	290	409	699	348
BH02	5/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	5/9/2025	0	0.0538	2.0478	41.6	4,760	2,010	4,802	6,812	316
BH03	5/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.6
BH03	5/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.6
BH04	5/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	5/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	5/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
BH05	5/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.0

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

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Dagger State SWD
Matador Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	491
FS02	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,050
FS03	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	477
FS04	6/9/2025	0.5	<0.0250	<0.0500	<20.0	82.8	69.4	82.8	152	1,020

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1882		
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700		
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Suite 950				CITY Houston		STATE TX
					ZIP 77077		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 27	SECONDS 7.70 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SE NE Sec. 30 T21S R33E							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.	
	DRILLING STARTED 10/06/2021	DRILLING ENDED 10/07/2021	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 106	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 106		±6.5	Boring- HSA	-	-	-
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	CP-1882	POD NO.	1	TRN NO.	699678
LOCATION	21S. 33E. 30.242			WELL TAG ID NO.	
					PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, Fine-grained, poorly graded, Red	Y ✓ N	
	9	19	10	Caliche, with fine-grained sand, White/Tan	Y ✓ N	
	19	69	50	Sand, Fine-grained, poorly graded, Tan/ Brown	Y ✓ N	
	69	79	10	Sand, Fine-grained, poorly graded with clay, Reddish Brown	Y ✓ N	
	79	106	27	Clay, Stiff, consolidated, with fine-grained sand, Reddish Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.	
	<p>USE DIT NOV 2 2021 AM 8:17</p> <p>PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt</p>	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins SIGNATURE OF DRILLER / PRINT SIGNEE NAME	10/28/2021 DATE

FOR OSE INTERNAL USE


WR-20 WELL RECORD & LOG (Version 06/30/2017)


FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2





APPENDIX B


Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 5/9/2025	
								Site Name: Dagger State SWD			
								Incident Number: nAPP2512532447			
								Job Number: 03A2270098			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.449627, -103.607226								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	ND	20	Y	BH01	0	0	CCHE	Moist, staining, Caliche, fine to medium sized grain, small gravel, non-cohesive, non-plastic			
M	ND		N	BH01	1	1	SW-SM	Moist, no staining, brown sand w/ silt, fine grained, non-cohesive, non-plastic			
M	ND		N	BH01	2	2					
Total Depth @ 2 feet bgs.											

								Sample Name: BH02		Date: 5/9/2025	
								Site Name: Dagger State SWD			
								Incident Number: nAPP2512532447			
								Job Number: 03A2270098			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.449639, -103.607157								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	515		Y	BH02	0	0	CCHE	Moist, staining, Caliche, fine to medium sized grain, small gravel, non-cohesive, non-plastic			
M	ND	20	N	BH02	1	1	SW-SM	Moist, no staining, brown sand w/ silt, fine grained, non-cohesive, non-plastic			
Total Depth @ 1-foot bgs.											

 ENSOLUM		Sample Name: BH02		Date: 5/9/2025				
		Site Name: Dagger State SWD						
		Incident Number: nAPP2512532447						
		Job Number: 03A2270098						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.449608, -103.607153			Logged By: Jenna Hinkle		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 2'			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	274	>1250	Y	BH02	0	0	CCHE	Moist, staining, Caliche, fine to medium sized grain, small gravel, non-cohesive, non-plastic
M	ND		N	BH02	1	1	SW-SM	Moist, no staining, brown sand w/ silt, fine grained, non-cohesive, non-plastic
M	ND	12	N	BH02	2	2		
Total Depth @ 2 feet bgs.								

								Sample Name: BH04		Date: 5/9/2025	
								Site Name: Dagger State SWD			
								Incident Number: nAPP2512532447			
								Job Number: 03A2270098			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.449611, -103.607073								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	ND	19	Y	BH04	0	0	CCHE	Moist, staining, Caliche, fine to medium sized grain, small gravel, non-cohesive, non-plastic			
M			N	BH04	1	1	SW-SM	Moist, no staining, brown sand w/ silt, fine grained, non-cohesive, non-plastic			
Total Depth @ 1-foot bgs.											

								Sample Name: BH05		Date: 5/9/2025	
								Site Name: Dagger State SWD			
								Incident Number: nAPP2512532447			
								Job Number: 03A2270098			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Jenna Hinkle		Method: Hand Auger	
Coordinates: 32.449657, -103.607206								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	196	19	Y	BH05	0	0	CCHE	Moist, staining, Caliche, fine to medium sized grain, small gravel, non-cohesive, non-plastic			
M	ND		N	BH05	1	1	SW-SM	Moist, no staining, brown sand w/ silt, fine grained, non-cohesive, non-plastic			
Total Depth @ 1-foot bgs.											



APPENDIX C

Photographic Log



Photographic Log

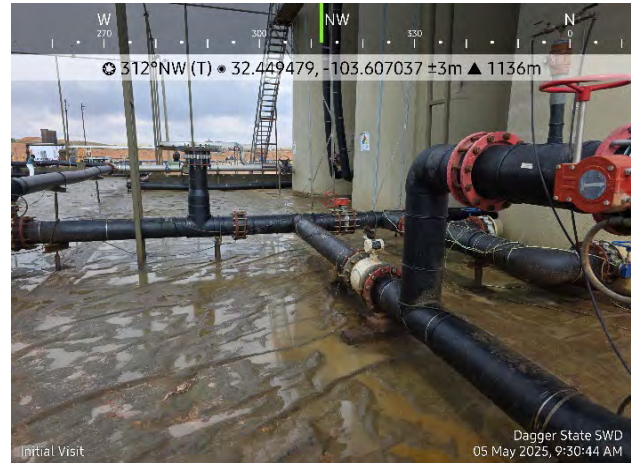
Matador Production Company

Dagger State SWD

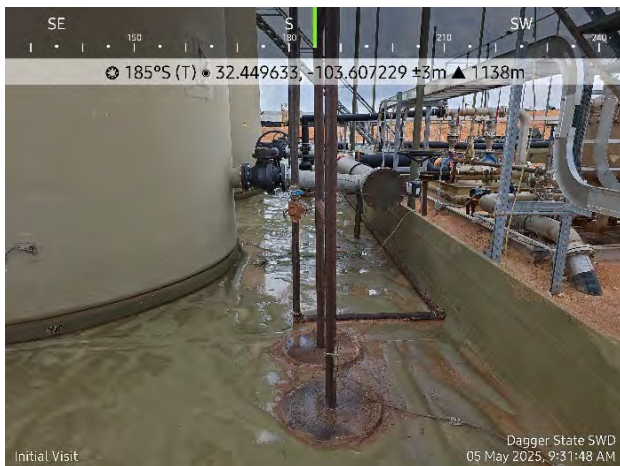
nAPP2512532447



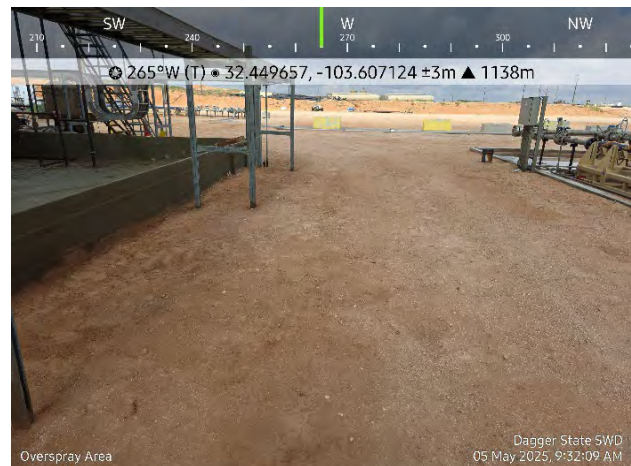
Photograph 1
Description: Lease Sign
View: Southeast
Date: 5/8/2025



Photograph 2
Description: Initial Visit
View: Northwest
Date: 5/5/2025



Photograph 3
Description: Initial Visit
View: South
Date: 5/5/2025



Photograph 4
Description: Overspray Area
View: West
Date: 5/5/2025



Photographic Log

Matador Production Company

Dagger State SWD

nAPP2512532447



Photograph 5

Date: 5/8/2025

Description: Delineation (SS01)

View: Southeast

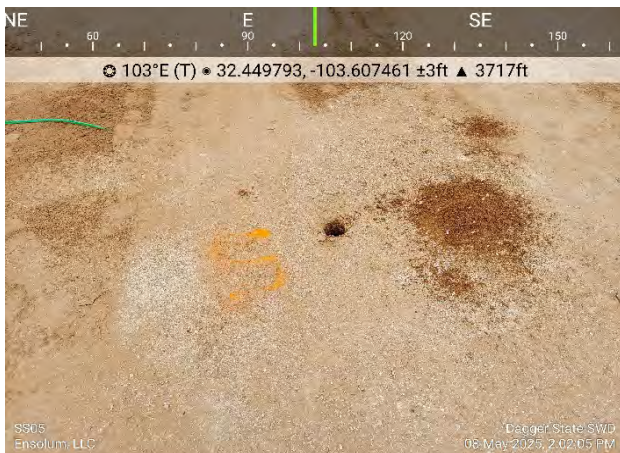


Photograph 6

Date: 5/8/2025

Description: Delineation (SS06)

View: East

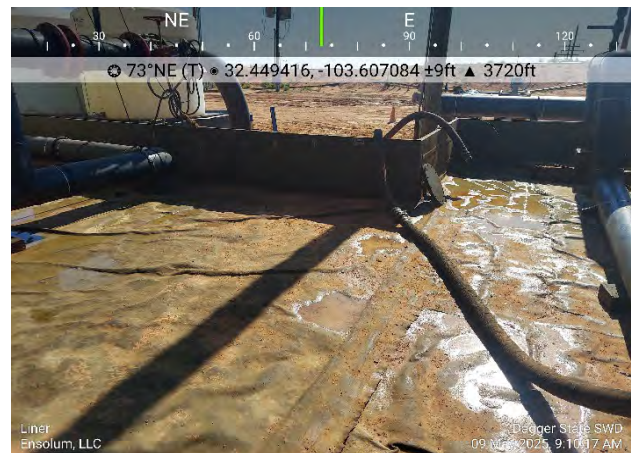


Photograph 7

Date: 5/8/2025

Description: Delineation (SS05)

View: East



Photograph 8

Date: 5/9/2025

Description: Liner Inspection

View: East



Photographic Log

Matador Production Company

Dagger State SWD

nAPP2512532447

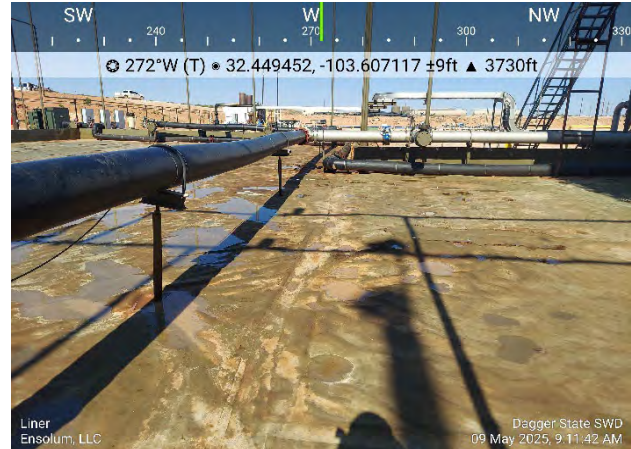


Photograph 9

Date: 5/9/2025

Description: Liner Inspection

View: Southwest



Photograph 10

Date: 5/9/2025

Description: Liner Inspection

View: West



Photograph 11

Date: 5/9/2025

Description: Liner Inspection

View: West



Photograph 12

Date: 5/9/2025

Description: Liner Inspection

View: Southeast



Photographic Log

Matador Production Company

Dagger State SWD

nAPP2512532447



Photograph 13

Date: 5/9/2025

Description: Delineation (BH01)

View: Northwest



Photograph 14

Date: 5/9/2025

Description: Delineation (BH03)

View: South



Photograph 15

Date: 5/9/2025

Description: Liner Patch (BH02)

View: North



Photograph 16

Date: 5/9/2025

Description: Liner Patch (BH03)

View: West



Photographic Log

Matador Production Company

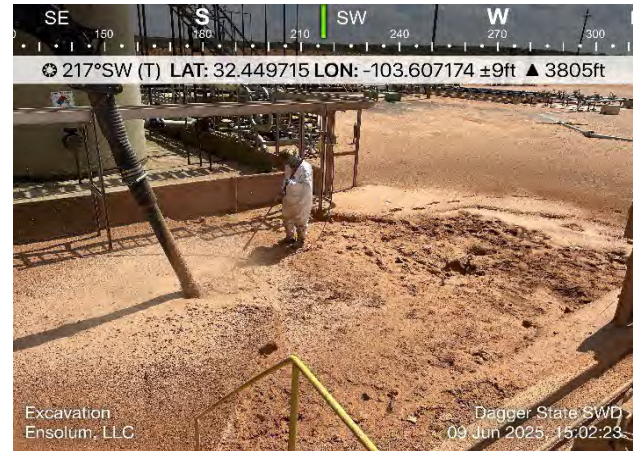
Dagger State SWD

nAPP2512532447



Photograph 17
Description: Hydrovac
View: East

Date: 6/9/2025



Photograph 18
Description: Hydrovac
View: Southwest

Date: 6/9/2025



Photograph 19
Description: Hydrovac
View: South

Date: 6/9/2025



Photograph 20
Description: Delineation
View: South

Date: 6/20/2025



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State SWD

Work Order: E505117

Job Number: 23003-0002

Received: 5/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/16/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/16/25

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



Project Name: Dagger State SWD
Workorder: E505117
Date Received: 5/12/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/12/2025 8:30:00AM, under the Project Name: Dagger State SWD.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@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
SS01-1'	6
SS02-0'	7
SS02-1'	8
SS03-0'	9
SS03-1'	10
SS04-0'	11
SS04-1'	12
SS05-0'	13
SS05-1'	14
SS06-0'	15
SS06-1'	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
05/16/25 09:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E505117-01A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS01-1'	E505117-02A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS02-0'	E505117-03A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS02-1'	E505117-04A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS03-0'	E505117-05A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS03-1'	E505117-06A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS04-0'	E505117-07A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS04-1'	E505117-08A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS05-0'	E505117-09A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS05-1'	E505117-10A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS06-0'	E505117-11A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.
SS06-1'	E505117-12A	Soil	05/08/25	05/12/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS01-0'

E505117-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.0 %	70-130	05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.5 %	70-130	05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	05/12/25	05/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	84.9	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS01-1'

E505117-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.0 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	50.9	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS02-0'

E505117-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520005
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.9 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2520020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS02-1'

E505117-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	155	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS03-0'

E505117-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	ND	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS03-1'

E505117-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	41.7	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS04-0'

E505117-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	ND	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS04-1'

E505117-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	54.2	20.0	1	05/13/25	05/14/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/16/2025 9:50:22AM
---	--	----------------------------------

SS05-0'

E505117-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	120	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS05-1'

E505117-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	114	20.0	1	05/13/25	05/14/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/16/2025 9:50:22AM

SS06-0'

E505117-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520005
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520005
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2520020
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
<i>Surrogate: n-Nonane</i>						
	99.3 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2520057
Chloride	ND	20.0	1	05/13/25	05/14/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/16/2025 9:50:22AM
---	--	----------------------------------

SS06-1'

E505117-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Benzene	ND	0.0250	1	05/12/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/12/25	05/15/25	
Toluene	ND	0.0250	1	05/12/25	05/15/25	
o-Xylene	ND	0.0250	1	05/12/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/12/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/12/25	05/15/25	
Surrogate: 4-Bromochlorobenzene-PID	86.7 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2520005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/25	05/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.1 %	70-130		05/12/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2520020	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/25	05/14/25	
Surrogate: n-Nonane	100 %	61-141		05/12/25	05/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520057	
Chloride	128	20.0	1	05/13/25	05/14/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/16/2025 9:50:22AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2520005-BLK1)

Prepared: 05/12/25 Analyzed: 05/14/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.74		8.00		84.2	70-130			

LCS (2520005-BS1)

Prepared: 05/12/25 Analyzed: 05/14/25

Benzene	4.98	0.0250	5.00		99.5	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.64		8.00		83.0	70-130			

Matrix Spike (2520005-MS1)

Source: E505115-04 Prepared: 05/12/25 Analyzed: 05/14/25

Benzene	4.79	0.0250	5.00	ND	95.8	70-130			
Ethylbenzene	4.82	0.0250	5.00	ND	96.3	70-130			
Toluene	4.84	0.0250	5.00	ND	96.8	70-130			
o-Xylene	4.72	0.0250	5.00	ND	94.5	70-130			
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.50		8.00		81.3	70-130			

Matrix Spike Dup (2520005-MSD1)

Source: E505115-04 Prepared: 05/12/25 Analyzed: 05/14/25

Benzene	4.58	0.0250	5.00	ND	91.7	70-130	4.45	27	
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130	3.75	26	
Toluene	4.63	0.0250	5.00	ND	92.6	70-130	4.42	20	
o-Xylene	4.55	0.0250	5.00	ND	91.0	70-130	3.75	25	
p,m-Xylene	9.37	0.0500	10.0	ND	93.7	70-130	3.65	23	
Total Xylenes	13.9	0.0250	15.0	ND	92.8	70-130	3.69	26	
Surrogate: 4-Bromochlorobenzene-PID	6.68		8.00		83.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/16/2025 9:50:22AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2520005-BLK1) Prepared: 05/12/25 Analyzed: 05/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

LCS (2520005-BS2) Prepared: 05/12/25 Analyzed: 05/14/25

Gasoline Range Organics (C6-C10)	37.3	20.0	50.0		74.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.3	70-130			

Matrix Spike (2520005-MS2) Source: E505115-04 Prepared: 05/12/25 Analyzed: 05/14/25

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2520005-MSD2) Source: E505115-04 Prepared: 05/12/25 Analyzed: 05/14/25

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130	3.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/16/2025 9:50:22AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2520020-BLK1)					Prepared: 05/12/25 Analyzed: 05/13/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.8	61-141			

LCS (2520020-BS1)					Prepared: 05/12/25 Analyzed: 05/13/25				
Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144			
Surrogate: n-Nonane	47.7		50.0		95.4	61-141			

Matrix Spike (2520020-MS1)					Source: E505114-05		Prepared: 05/12/25 Analyzed: 05/13/25		
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	50.0		50.0		100	61-141			

Matrix Spike Dup (2520020-MSD1)					Source: E505114-05		Prepared: 05/12/25 Analyzed: 05/13/25		
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156	1.36	20	
Surrogate: n-Nonane	50.2		50.0		100	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/16/2025 9:50:22AM
---	--	--------------------------------------

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 (2520057-BLK1)					Prepared: 05/13/25 Analyzed: 05/14/25				
Chloride	ND	20.0							
LCS (2520057-BS1)					Prepared: 05/13/25 Analyzed: 05/14/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2520057-MS1)					Source: E505117-03		Prepared: 05/13/25 Analyzed: 05/14/25		
Chloride	264	20.0	250	ND	106	80-120			
Matrix Spike Dup (2520057-MSD1)					Source: E505117-03		Prepared: 05/13/25 Analyzed: 05/14/25		
Chloride	265	20.0	250	ND	106	80-120	0.294	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 SWD	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/16/25 09:50

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Dagge State SWD</u>				Address: 3122 National Parks Hwy		<u>ES05117</u>	<u>23003-0002</u>				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0437	5/8/2025	Soil	1	SS01-0'		1								+					
1223				SS01-1'		2								+					
0940				SS02-0'		3								+					
1233				SS02-1'		4								+					
0945				SS03-0'		5								+					
1240				SS03-1'		6								+					
0948				SS04-0'		7								+					
1248				SS04-1'		8								+					
0954				SS05-0'		9								+					
1252				SS05-1'		10								+					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@ensolum.com, oaderinto@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Jenna Hinkle</u>																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.							
<u>Jenna Hinkle</u>		5-9-25		1620		<u>Michelle Gonzales</u>		5-9-25		0711									
<u>Michelle Gonzales</u>		5-9-25		1620		<u>John Jh</u>		5-9-25		1620									
<u>John Jh</u>		5-9-25		2215		<u>Nae Sate</u>		5-12-25		0830									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>YN</u>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		Job Number		1D	2D	3D	Std					
Project Name: <u>Dagger State SWD</u>				Address: 3122 National Parks Hwy		<u>ES05117</u>		<u>23003-0002</u>					X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1158	5/8/2025	Soil	1	SS06-0'		11								X				
1256	5/8/2025	Soil	1	SS06-1'		12								X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@ensolum.com, oaderinto@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Donna Hinkle</u>																		
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.		
<u>Donna Hinkle</u>				5-9-25		1620		<u>Michelle Gonzales</u>				5-9-25		0711				
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time				
<u>Michelle Gonzales</u>				5-9-25		1620		<u>John H.</u>				5-9-25		1620				
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only Received on ice: <u>Y</u> N		
<u>John H.</u>				5-9-25		2215		<u>Noe Soto</u>				3-12-25		0830				
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 5/12/2025 1:31:45PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/12/25 08:30	Work Order ID:	E505117
Phone:	(972) 371-5200	Date Logged In:	05/09/25 14:28	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/16/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State SWD

Work Order: E505142

Job Number: 23003-0002

Received: 5/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/19/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/19/25

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



Project Name: Dagger State SWD
Workorder: E505142
Date Received: 5/13/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/13/2025 8:00:00AM, under the Project Name: Dagger State SWD.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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
ljjarboe@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
BH01-0'	5
BH01-1'	6
BH02-0'	7
BH02-1'	8
BH03-0'	9
BH03-1'	10
BH03-2'	11
BH04-0'	12
BH04-1'	13
BH05-0'	14
BH05-1'	15
QC Summary Data	16
QC - Volatile Organics by EPA 8021B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

Sample Summary

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
05/19/25 12:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E505142-01A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH01-1'	E505142-02A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH02-0'	E505142-03A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH02-1'	E505142-04A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH03-0'	E505142-05A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH03-1'	E505142-06A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH03-2'	E505142-07A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH04-0'	E505142-08A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH04-1'	E505142-09A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH05-0'	E505142-10A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.
BH05-1'	E505142-11A	Soil	05/09/25	05/13/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH01-0'**E505142-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2520058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		05/13/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2520104	
Chloride	ND	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH01-1'

E505142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.7 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2520058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520104
Chloride	ND	20.0	1	05/15/25	05/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:01:18PM
---	--	--

BH02-0'

E505142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2520058	
Diesel Range Organics (C10-C28)	409	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	290	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	05/13/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2520104	
Chloride	348	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH02-1'

E505142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.9 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2520058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520104
Chloride	ND	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH03-0'

E505142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Benzene	0.0538	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	0.324	0.0250	1	05/13/25	05/15/25	
Toluene	0.290	0.0250	1	05/13/25	05/15/25	
o-Xylene	0.431	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	0.945	0.0500	1	05/13/25	05/15/25	
Total Xylenes	1.38	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Gasoline Range Organics (C6-C10)	41.6	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2520058	
Diesel Range Organics (C10-C28)	4760	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	2010	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
		120 %	61-141	05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2520104	
Chloride	316	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH03-1'

E505142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2520058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2520104	
Chloride	50.6	20.0	1	05/15/25	05/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/19/2025 12:01:18PM
---	--	--

BH03-2'

E505142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	107 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2520058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>	99.1 %	61-141		05/13/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2520104	
Chloride	39.6	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH04-0'

E505142-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2520058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520104
Chloride	ND	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH04-1'

E505142-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Benzene	ND	0.0250	1	05/13/25	05/15/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/15/25	
Toluene	ND	0.0250	1	05/13/25	05/15/25	
o-Xylene	ND	0.0250	1	05/13/25	05/15/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/15/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		05/13/25	05/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2520058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520104
Chloride	ND	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH05-0'

E505142-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Benzene	ND	0.0250	1	05/13/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/16/25	
Toluene	ND	0.0250	1	05/13/25	05/16/25	
o-Xylene	ND	0.0250	1	05/13/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		05/13/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2520040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		05/13/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2520058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2520104	
Chloride	132	20.0	1	05/15/25	05/15/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
5/19/2025 12:01:18PM

BH05-1'

E505142-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Benzene	ND	0.0250	1	05/13/25	05/16/25	
Ethylbenzene	ND	0.0250	1	05/13/25	05/16/25	
Toluene	ND	0.0250	1	05/13/25	05/16/25	
o-Xylene	ND	0.0250	1	05/13/25	05/16/25	
p,m-Xylene	ND	0.0500	1	05/13/25	05/16/25	
Total Xylenes	ND	0.0250	1	05/13/25	05/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		05/13/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2520040
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/13/25	05/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	112 %	70-130		05/13/25	05/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2520058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/25	05/15/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		05/13/25	05/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520104
Chloride	43.0	20.0	1	05/15/25	05/15/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 12:01:18PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2520040-BLK1)

Prepared: 05/13/25 Analyzed: 05/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

LCS (2520040-BS1)

Prepared: 05/13/25 Analyzed: 05/15/25

Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			

Matrix Spike (2520040-MS1)

Source: E505141-25

Prepared: 05/13/25 Analyzed: 05/15/25

Benzene	5.09	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	70-130			
Toluene	5.06	0.0250	5.00	ND	101	70-130			
o-Xylene	5.04	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			

Matrix Spike Dup (2520040-MSD1)

Source: E505141-25

Prepared: 05/13/25 Analyzed: 05/15/25

Benzene	5.13	0.0250	5.00	ND	103	70-130	0.857	27	
Ethylbenzene	5.12	0.0250	5.00	ND	102	70-130	1.13	26	
Toluene	5.12	0.0250	5.00	ND	102	70-130	1.08	20	
o-Xylene	5.09	0.0250	5.00	ND	102	70-130	0.971	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	1.17	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	1.10	26	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 12:01:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2520040-BLK1) Prepared: 05/13/25 Analyzed: 05/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.61		8.00		108	70-130			

LCS (2520040-BS2) Prepared: 05/13/25 Analyzed: 05/15/25

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.80		8.00		110	70-130			

Matrix Spike (2520040-MS2) Source: E505141-25 Prepared: 05/13/25 Analyzed: 05/15/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			

Matrix Spike Dup (2520040-MSD2) Source: E505141-25 Prepared: 05/13/25 Analyzed: 05/15/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	9.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 12:01:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

Blank (2520058-BLK1)					Prepared: 05/13/25 Analyzed: 05/13/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.9		50.0		97.8	61-141			

LCS (2520058-BS1)					Prepared: 05/13/25 Analyzed: 05/13/25				
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	48.4		50.0		96.7	61-141			

Matrix Spike (2520058-MS1)					Source: E505145-01		Prepared: 05/13/25 Analyzed: 05/13/25		
Diesel Range Organics (C10-C28)	342	25.0	250	63.7	111	56-156			
Surrogate: n-Nonane	50.7		50.0		101	61-141			

Matrix Spike Dup (2520058-MSD1)					Source: E505145-01		Prepared: 05/13/25 Analyzed: 05/13/25		
Diesel Range Organics (C10-C28)	317	25.0	250	63.7	101	56-156	7.59	20	
Surrogate: n-Nonane	49.6		50.0		99.2	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/19/2025 12:01:18PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2520104-BLK1)					Prepared: 05/15/25 Analyzed: 05/15/25				
Chloride	ND	20.0							
LCS (2520104-BS1)					Prepared: 05/15/25 Analyzed: 05/15/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2520104-MS1)					Source: E505142-04		Prepared: 05/15/25 Analyzed: 05/15/25		
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2520104-MSD1)					Source: E505142-04		Prepared: 05/15/25 Analyzed: 05/15/25		
Chloride	272	20.0	250	ND	109	80-120	0.0661	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 SWD	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/19/25 12:01

- 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.

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E505142		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: <u>Danger state SWD</u>				Address: 3122 National Parks Hwy										x				
Project Manager: Ashley Giovento				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovento@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovento@ensolum.com																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	TCED 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1127	5/12/25	S	1	BH01-0'		1								+		1.6		
1131				BH01-1'		2								+		1.0		
1246				BH02-0'		3								+		0.8		
1253				BH02-1'		4								+		2.1		
1424				BH03-0'		5								+		2.0		
1514				↓ 03-1'		6								+		1.8		
1518				↓ 03-2'		7								+		1.4		
1443				BH04-0'		8								+		1.1		
1547				BH04-1'		9								+		1.0		
1356				BH05-0'		10								+		1.4		
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, rrai@ensolum.com, oaderinto@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Jenna Hinkle</u>																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y/N</u>						
<u>Jenna Hinkle</u>		5-12-25		1545		<u>Michelle Gonzales</u>		5-12-25		0815								
<u>Michelle Gonzales</u>		5-12-25		2215		<u>Richard Gonzales</u>		5-12-25		1545								
<u>Richard Gonzales</u>		5-12-25		2215		<u>Cathy Man</u>		5-13-25		800								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Dagger State SWP</u>				Address: 3122 National Parks Hwy		<u>E505142</u>	<u>23003-0002</u>				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1401	5/12/25	S	1	BH05-1'		11													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, rrai@ensolum.com, oaderinto@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Jenna Hinkle</u>																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N											
<u>Jenna Hinkle</u>				<u>Michelle Gonzales</u>		5-12-25	0815												
<u>Michelle Gonzales</u>		5-12-25	1545	<u>Richard Gonzales</u>		5-12-25	1545												
<u>Richard Gonzales</u>		5-12-25	2215	<u>Cathy Ma</u>		5-13-25	800												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 5/13/2025 9:35:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/13/25 08:00	Work Order ID:	E505142
Phone:	(972) 371-5200	Date Logged In:	05/12/25 16:54	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	05/19/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State SWD

Work Order: E506080

Job Number: 23003-0002

Received: 6/12/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/19/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/19/25

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



Project Name: Dagger State SWD
Workorder: E506080
Date Received: 6/12/2025 7:00:00AM

Ashley Giovengo,

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

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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
ljjarboe@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
SS04A - 0'	5
SS04A - 1'	6
FS01 - 0.5'	7
FS02 - 0.5'	8
FS03 - 0.5'	9
FS04 - 0.5'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/19/25 10:45
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04A - 0'	E506080-01A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
SS04A - 1'	E506080-02A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS01 - 0.5'	E506080-03A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS02 - 0.5'	E506080-04A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS03 - 0.5'	E506080-05A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS04 - 0.5'	E506080-06A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/19/2025 10:45:24AM
---	--	--

SS04A - 0'

E506080-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	0.0508	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.3 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.7 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2524101	
Diesel Range Organics (C10-C28)	87.2	25.0	1	06/12/25	06/16/25	
Oil Range Organics (C28-C36)	138	50.0	1	06/12/25	06/16/25	
<i>Surrogate: n-Nonane</i>	124 %	61-141		06/12/25	06/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524085	
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 10:45:24AM

SS04A - 1'

E506080-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.9 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524101	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524085	
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 10:45:24AM

FS01 - 0.5'

E506080-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.5 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524101	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524085	
Chloride	491	20.0	1	06/12/25	06/13/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 10:45:24AM

FS02 - 0.5'

E506080-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.1 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524101	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524085	
Chloride	1050	20.0	1	06/12/25	06/13/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 10:45:24AM

FS03 - 0.5'

E506080-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524101	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524085	
Chloride	477	20.0	1	06/12/25	06/13/25	



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 10:45:24AM

FS04 - 0.5'

E506080-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2524086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2524101	
Diesel Range Organics (C10-C28)	82.8	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	69.4	50.0	1	06/12/25	06/13/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524085	
Chloride	1020	20.0	1	06/12/25	06/13/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/19/2025 10:45:24AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2524086-BLK1)

Prepared: 06/12/25 Analyzed: 06/13/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.79		8.00		84.9	70-130			

LCS (2524086-BS1)

Prepared: 06/12/25 Analyzed: 06/13/25

Benzene	4.74	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.7	70-130			
Toluene	4.71	0.0250	5.00		94.1	70-130			
o-Xylene	4.56	0.0250	5.00		91.1	70-130			
p,m-Xylene	9.38	0.0500	10.0		93.8	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.7	70-130			

Matrix Spike (2524086-MS1)

Source: E506076-05

Prepared: 06/12/25 Analyzed: 06/13/25

Benzene	4.56	0.0250	5.00	ND	91.3	70-130			
Ethylbenzene	4.41	0.0250	5.00	ND	88.3	70-130			
Toluene	4.51	0.0250	5.00	ND	90.1	70-130			
o-Xylene	4.31	0.0250	5.00	ND	86.2	70-130			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	70-130			
Total Xylenes	13.2	0.0250	15.0	ND	88.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.70		8.00		83.7	70-130			

Matrix Spike Dup (2524086-MSD1)

Source: E506076-05

Prepared: 06/12/25 Analyzed: 06/13/25

Benzene	5.53	0.0250	5.00	ND	111	70-130	19.1	27	
Ethylbenzene	5.42	0.0250	5.00	ND	108	70-130	20.5	26	
Toluene	5.49	0.0250	5.00	ND	110	70-130	19.8	20	
o-Xylene	5.31	0.0250	5.00	ND	106	70-130	20.9	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	20.3	23	
Total Xylenes	16.3	0.0250	15.0	ND	108	70-130	20.5	26	
Surrogate: 4-Bromochlorobenzene-PID	6.65		8.00		83.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/19/2025 10:45:24AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2524086-BLK1) Prepared: 06/12/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS (2524086-BS2) Prepared: 06/12/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

Matrix Spike (2524086-MS2) Source: E506076-05 Prepared: 06/12/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike Dup (2524086-MSD2) Source: E506076-05 Prepared: 06/12/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	0.145	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/19/2025 10:45:24AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2524101-BLK1) Prepared: 06/12/25 Analyzed: 06/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.1		50.0		120	61-141			

LCS (2524101-BS1) Prepared: 06/12/25 Analyzed: 06/12/25

Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
Surrogate: n-Nonane	55.8		50.0		112	61-141			

Matrix Spike (2524101-MS1) Source: E506080-04 Prepared: 06/12/25 Analyzed: 06/12/25

Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	58.4		50.0		117	61-141			

Matrix Spike Dup (2524101-MSD1) Source: E506080-04 Prepared: 06/12/25 Analyzed: 06/12/25

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156	1.51	20	
Surrogate: n-Nonane	59.6		50.0		119	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/19/2025 10:45:24AM
---	--	---------------------------------------

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 (2524085-BLK1)					Prepared: 06/12/25 Analyzed: 06/12/25				
Chloride	ND	20.0							
LCS (2524085-BS1)					Prepared: 06/12/25 Analyzed: 06/12/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2524085-MS1)					Source: E506076-03		Prepared: 06/12/25 Analyzed: 06/12/25		
Chloride	621	20.0	250	361	104	80-120			
Matrix Spike Dup (2524085-MSD1)					Source: E506076-03		Prepared: 06/12/25 Analyzed: 06/12/25		
Chloride	590	20.0	250	361	91.6	80-120	5.15	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 SWD	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/19/25 10:45

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Dagger State SWD				Address: 3122 National Parks Hwy				E500080		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
14:00	6/9/2025	Soil	1	SS04 - 0'		1								X		1.7			
14:03	6/9/2025	Soil	1	SS04 - 1'		2								X		1.6			
14:25	6/9/2025	Soil	1	FS01 - 0.5'		3								X		1.0			
15:12	6/9/2025	Soil	1	FS02 - 0.5'		4								X		1.7			
15:42	6/9/2025	Soil	1	FS03 - 0.5'		5								X		2.6			
15:16	6/9/2025	Soil	1	FS04 - 0.5'		6								X		2.4			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 6/12/2025 10:00:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/12/25 07:00	Work Order ID:	E506080
Phone:	(972) 371-5200	Date Logged In:	06/11/25 13:50	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	06/17/25 17:00 (3 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Dagger State SWD				Address: 3122 National Parks Hwy		E506080	230030002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
14:00	6/9/2025	Soil	1	SS04-0 SS04A-0'		1								X		1.7			Changed
14:03	6/9/2025	Soil	1	SS04-1 SS04A-1'		2								X		1.6			sample
14:25	6/9/2025	Soil	1	FS01 - 0.5'		3								X		1.0			names for
15:12	6/9/2025	Soil	1	FS02 - 0.5'		4								X		1.7			#1 & 2
15:42	6/9/2025	Soil	1	FS03 - 0.5'		5								X		2.6			per. C. Hamilton
15:16	6/9/2025	Soil	1	FS04 - 0.5'		6								X		2.4			6/19/25 CM
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N							
<i>Israel Estrella</i>		6/10/25		7:11		<i>Michelle Gonzalez</i>		6-10-25		0711									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
<i>Michelle Gonzalez</i>		6-11-25		1700		<i>Richard Gonzalez</i>		6-11-25		1700									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
<i>Richard Gonzalez</i>		6-11-25		2230		<i>Caitlin Marx</i>		6-12-25		700									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State SWD

Work Order: E506179

Job Number: 23003-0002

Received: 6/23/2025

Revision: 0

Report Reviewed By:

Draft

Walter Hinchman
Laboratory Director
6/23/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/23/25

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



Project Name: Dagger State SWD
Workorder: E506179
Date Received: 6/23/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 6:45:00AM, under the Project Name: Dagger State SWD.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@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
SS04C-0'	5
Definitions and Notes	6
Chain of Custody etc.	7

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State SWD Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/23/25 14:29
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04C-0'	E506179-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/23/2025 2:29:10PM

SS04C-0'

E506179-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525110	
Benzene	ND	0.0250	1	06/20/25	06/23/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/23/25	
Toluene	ND	0.0250	1	06/20/25	06/23/25	
o-Xylene	ND	0.0250	1	06/20/25	06/23/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/23/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	06/20/25	06/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	06/20/25	06/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526002	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2526003	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger State SWD	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/23/25 14:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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





Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 6/23/2025 11:50:20AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/23/25 06:45	Work Order ID:	E506179
Phone:	(972) 371-5200	Date Logged In:	06/20/25 13:18	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/23/25 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State SWD

Work Order: E506210

Job Number: 23003-0002

Received: 6/24/2025

Revision: 0

Report Reviewed By:

Draft

Walter Hinchman
Laboratory Director
6/24/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/24/25

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



Project Name: Dagger State SWD
Workorder: E506210
Date Received: 6/24/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/24/2025 7:00:00AM, under the Project Name: Dagger State SWD.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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
ljjarboe@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
SS04B-0'	5
Definitions and Notes	6
Chain of Custody etc.	7

Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State SWD	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/24/25 12:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04B-0'	E506210-01A	Soil	06/20/25	06/24/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Dagger State SWD
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/24/2025 12:07:42PM

SS04B-0'

E506210-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2526046	
Benzene	ND	0.0250	1	06/24/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/24/25	
Toluene	ND	0.0250	1	06/24/25	06/24/25	
o-Xylene	ND	0.0250	1	06/24/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	79.7 %	70-130		06/24/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2526046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.0 %	70-130		06/24/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2526049	
Diesel Range Organics (C10-C28)	27.5	25.0	1	06/24/25	06/24/25	
Oil Range Organics (C28-C36)	55.3	50.0	1	06/24/25	06/24/25	
<i>Surrogate: n-Nonane</i>	93.0 %	61-141		06/24/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526043	
Chloride	23.7	20.0	1	06/24/25	06/24/25	



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger State SWD	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/24/25 12:07

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

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

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

Client Information				Invoice Information				Lab Use Only				TAT				State												
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX									
Project Name: Dagger State SWD				Address: 3122 National Parks Hwy				E506210		23003-0002		+				x												
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																								
Address: 3122 National Parks Hwy				Phone: 575-988-0055																								
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																								
Phone: 575-988-0055				Miscellaneous:																								
Email: agiovengo@ensolum.com																												
																Analysis and Method				EPA Program								
																DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOCC - NM	BGDOCC - TX	SDWA	CWA	RCRA	
																									Compliance	Y	or	N
																									PWSID #			
																									Sample Temp			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number																					
1240	6/23/25	Soil	1	SS04B-0'			1										x			3.8								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, gsanchez@ensolum.com																												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																												
Sampled by: Jenna Hinkle																												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temperature above 0 but less than 6°C on subsequent days.																
Jenna Hinkle		6/23/25		7:00		Michelle Goyt		6-23-25		0700																		
Michelle Gonzales		6-27-25		1545		Marianna Gonzales		6-23-25		1545																		
Marianna Gonzales		6-23-25		1915		John H.		6-23-25		1915																		
John H.		6-23-25		2345		Caitlynn		6-24-25		700																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only																
												Received on ice:																
												(Y) N																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																												

Envirotech Analytical Laboratory

Printed: 6/24/2025 9:27:32AM

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:	06/24/25 07:00	Work Order ID:	E506210
Phone:	(972) 371-5200	Date Logged In:	06/23/25 15:45	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/24/25 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 458335

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458335
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Dagger State SWD
Date Release Discovered	05/04/2025
Surface Owner	State

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 158 BBL Recovered: 158 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 458335

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458335
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 458335

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458335
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 458335

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458335
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	5/5/2025

Pooled Fluids on the Surface										
	Length (ft.)	Width (ft.)	Depth (in)	# of Boundaries *edges of pool where depth is 0. don't count shared boundaries	Oil-Water Ratio (%)	Pooled Area (ft ²)	Estimated Average Depth (ft.)	Pooled Volume (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	70.2	69.9	10.2	4.0	0.01	4909.1	0.2	184.8	1.85	182.93
Rectangle B						0.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total Volume (bbls):								184.78	1.85	182.93

Subsurface Fluids										
	Length (ft.)	Width (ft.)	Depth (in.)	Saturation (%) *10% in consolidated sediments after rain to 50% in sand with no precipitation	Oil-Water Ratio (%)	Area (ft ²)	Volume (bbl.)	Estimated Volume in Subsurface (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A						0.0	0.0	0.0	0.00	0.0
Rectangle B						0.0	0.0	0.0	0.00	0.0
Rectangle C						0.0	0.0	0.0	0.00	0.0
Rectangle D						0.0	0.0	0.0	0.00	0.0
Rectangle E						0.0	0.0	0.0	0.00	0.0
Rectangle F						0.0	0.0	0.0	0.00	0.0
Rectangle G						0.0	0.0	0.0	0.00	0.0
Rectangle H						0.0	0.0	0.0	0.00	0.0
Rectangle I						0.0	0.0	0.0	0.00	0.0
Rectangle J						0.0	0.0	0.0	0.00	0.0
Total Volume (bbls):								0.00	0.00	0.00

TOTAL RELEASE VOLUME (bbls):	184.8
-------------------------------------	--------------

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 458751

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458751
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512532447
Incident Name	NAPP2512532447 DAGGER STATE SWD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Dagger State SWD
Date Release Discovered	05/04/2025
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 185 BBL Recovered: 185 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 458751

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458751
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 05/05/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 458751

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458751
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 458751

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 458751
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	5/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 459085

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459085
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512532447
Incident Name	NAPP2512532447 DAGGER STATE SWD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger State SWD
Date Release Discovered	05/04/2025
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	4,914
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	05/09/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank Containment
Please provide any information necessary for navigation to liner inspection site	32.44961,-103.60718

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 459085

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459085
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

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.	5/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 459085

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459085
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512532447
Incident Name	NAPP2512532447 DAGGER STATE SWD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger State SWD
Date Release Discovered	05/04/2025
Surface Owner	State

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	4,914
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	05/09/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank Containment
Please provide any information necessary for navigation to liner inspection site	32.44961,-103.60718

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 459085

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 459085
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

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.	5/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 470935

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470935
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512532447
Incident Name	NAPP2512532447 DAGGER STATE SWD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger State SWD
Date Release Discovered	05/04/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	633
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/09/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella @ (575)-291-9537
Please provide any information necessary for navigation to sampling site	32.44961,-103.60718

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 470935

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470935
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/5/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 470936

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470936
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512532447
Incident Name	NAPP2512532447 DAGGER STATE SWD @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger State SWD
Date Release Discovered	05/04/2025
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	633
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/10/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella @ (575)-291-9537
Please provide any information necessary for navigation to sampling site	32.44961,-103.60718

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 470936

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470936
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/5/2025

From: [Jason Touchet](#)
To: eco@slo.state.nm.us
Cc: [Arsenio Jones](#); [Ashley Giovengo](#); [Chad Hamilton](#)
Subject: 2-day Liner Inspection Notification) Matador Production Company - Dagger State SWD (nAPP2512532447) May 4, 2025
Date: Tuesday, May 6, 2025 10:48:10 AM

[**EXTERNAL EMAIL**]

All,

Matador Production Company (Matador) is submitting a 2-day Liner Inspection notification at the Dagger State SWD (Site) (Incident Number nAPP2512532447). The release occurred on May 4, 2025, and approximately 185 barrels (bbls) of produced were released within a lined containment with overspray occurring on the pad surface. The Liner Inspection will be conducted Friday 5/9/2025 and will commence at 09:00 MST. The Site is located in Unit I, Section 30, Township 21S, Range 33E (32.44961,-103.60718). The liner where the release occurred measures approximately 4,914 sq. ft.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

From: [Jason Touchet](#)
To: eco@slo.state.nm.us
Cc: [Ashley Giovengo](#); [Chad Hamilton](#)
Subject: Re(2-day Sample Notification) Matador Production Company - Dagger State SWD (nAPP2512532447)-05-04-2025
Date: Thursday, June 5, 2025 8:14:32 AM

[**EXTERNAL EMAIL**]

Greetings

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Dagger State SWD (Site) (Incident Number nAPP2512532447). The release occurred on May 4, 2025, and approximately 185 barrels (bbls) of produced water were released into a secondary lined containment with a small overspray area reaching the pad. Confirmation soil sampling will be conducted Monday June 9, 2025, through June 10, 2025, and will commence at 07:00 AM MST. The Site is located in Unit G, Section 30, Township 21S, Range 33E (32.44961,-103.60718). Approximately 8 confirmation floor samples will be collected from an excavation extent measuring 633 square feet.

Thanks,

Jason Touchet
EHS Specialist
Matador Resources Company
Cell: 337-652-3463
Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 488054

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488054
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512532447
Incident Name	NAPP2512532447 DAGGER STATE SWD #001 @ 30-025-45815
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-025-45815] DAGGER STATE SWD #001

Location of Release Source

Please answer all the questions in this group.

Site Name	DAGGER STATE SWD #001
Date Release Discovered	05/04/2025
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 185 BBL Recovered: 185 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 488054

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488054
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/23/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 488054

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488054
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 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	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1050
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6812
GRO+DRO (EPA SW-846 Method 8015M)	4802
BTEX (EPA SW-846 Method 8021B or 8260B)	2
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/09/2025
On what date will (or did) the final sampling or liner inspection occur	05/09/2025
On what date will (or was) the remediation complete(d)	06/09/2025
What is the estimated surface area (in square feet) that will be reclaimed	400
What is the estimated volume (in cubic yards) that will be reclaimed	8
What is the estimated surface area (in square feet) that will be remediated	637
What is the estimated volume (in cubic yards) that will be remediated	15
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 488054

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488054
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360 Hobbs NM
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/23/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 5

Action 488054

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:
	228937
	Action Number: 488054
Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
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	Deferral area is directly beneath the lined containment. Remediation would require a complete deconstruction of the Site. Storage Tanks, Lined Containment, Process Piping
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4405
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	163
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-45815 DAGGER STATE SWD #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/23/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 488054

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488054
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	470936
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/10/2025
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	633

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
--	----

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 488054

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488054
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of BH03 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	8/4/2025