

November 4, 2024

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

Re: Deferral Request Grevey Com TB

Incident Number nAPP2420059937

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* to document excavation and soil sampling activities performed at the Grevey Com TB (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil following a release of produced water onto the well pad. Based on field observation following excavation, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Deferral Request*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2420059937 until the Site is reconstructed and/or the pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit L, Section 20, Township 26 South, Range 35 East, in Lea County, New Mexico (32.033410°, -103.396000°) and is associated with oil and gas exploration and production operations on Private Land.

On July 18, 2024, human error caused the tanks to overflow, and high winds sent fluid into the pasture. As a result, approximately 529 barrels (bbls) of produced water was released into the secondary lined containment, well pad, and the pasture southwest of the pad; 525 bbls of produced water was recovered immediately upon discovery of the release. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Release Notification Form C-141 (Form C-141) via web portal on July 19, 2024, and the release was assigned Incident Number nAPP2420059937.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04791 POD1, with a depth to water measurement of 55 feet below

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ground surface (bgs). The well is located 1.18 miles west of the Site. All wells used to establish depth to groundwater are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 2,831 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is not within 1,000 feet of a freshwater well or spring. The Site is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Potential Site receptors are identified on Figure 1.

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

Benzene: 10 milligrams per kilogram (mg/kg)

Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg

Total Petroleum Hydrocarbons (TPH): 100 mg/kg

Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

On July 18, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

DELINEATION AND LINER INTEGRITY INSPECTION

On July 26, 2024, Ensolum personnel competent in conducting liner inspections arrived onsite to visually inspect the integrity of the containment liner. Prior to conducting the inspection, NMOCD was provided with a 48-hour liner inspection notification via web portal on July 24, 2024. The liner was found to be insufficient during the inspection and as such, three boreholes, (BH01 through BH03), were advanced in the damaged liner via hand auger. The boreholes were advanced to a terminal depth of 1-foot bgs. Photographs taken during the liner inspection are included in Appendix B. The delineation soil sample locations are depicted on Figure 2.

On July 30, 2024, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities. Four delineation soil samples (SS01 through SS04) were collected from around the release extent at ground surface to assess the lateral extent of the release. Seven boreholes (BH04 through BH010) were advanced via hand auger within the release extent to assess the vertical extent of release. Boreholes BH01 through BH04, BH06, BH08, and BH09 were advanced to a depth of 1-foot bgs, boreholes BH05 and BH07 were advanced to a depth of 4 feet bgs, and BH10 was collected at ground surface level. Borehole BH11 was advanced via hand auger to a depth of 6 feet bgs during excavation activities to determine the depth of the northeast deferral area. Discrete delineation soil samples were collected from each borehole and field screened for chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.



Lateral delineation soil samples (SS01 through SS04) and discrete delineation soil samples from boreholes (BH01 through BH11) were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on September 30, 2024, Ensolum personnel oversaw the excavation of impacted and waste-containing soil from the release area. The excavation of the release area was completed with a backhoe, hydro-vac, and hand tools. The excavation occurred on the well pad on the southwest side of the lined secondary containment, around production equipment, and into the nearby pasture, removing soil where applicable as to not degrade the structural integrity of the soil surrounding production equipment. To direct excavation activities, Ensolum personnel field screened soil samples for chloride and TPH utilizing Mohr method titration and a PetroFLAG® TPH Analyzer, respectively.

Following the removal of impacted and waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS47) were collected from the floor of the excavation ranging from 0.5 to 3.5 feet bgs. Composite soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 3 feet bgs to assess the root zone for future revegetation purposes. 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.

A hydro-vac was used to remove impacted soil in the confirmation sample areas FS35 and FS36 and a crew was used to hand dig confirmation sample areas FS37, FS38, FS41 through FS43, and FS47 due to the proximity of the sample areas to active pipelines and electrical conduit. The final excavation extent measured approximately 7,199 square feet. A total of approximately 180 cubic yards of impacted and waste-containing soil was removed during the excavation activities. Impacted and waste-containing soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

All lateral delineation soil samples were in compliance with the Closure Criteria and reclamation requirement at ground surface. Laboratory analytical results for delineation soil samples collected from borehole BH10 was in compliance with the Closure Criteria and reclamation requirement. Surface samples collected from boreholes BH01 through BH09 and BH11 contained TPH and/or chloride concentrations exceeding the reclamation requirement. The subsurface soil samples collected from the borings were in compliance with the Closure Criteria and reclamation requirements.

Laboratory analytical results for excavation sidewall samples SW01 through SW04 and excavation floor samples FS01 through FS36, FS39, FS40 and FS42 through FS46 indicated all COC concentrations were compliant with the Site Closure Criteria and in compliance with the reclamation requirement. Confirmation floor samples FS38, FS41, and FS47 exceeded Site closure criteria for TPH and floor sample FS37 exceeded Site closure criteria for TPH and BTEX. Excavation floor confirmation samples



FS01 through FS26 comprise the extent of the release off-pad. Laboratory analytical results for all off-pad excavation floor confirmation samples were in compliance with the strictest Closure Criteria per 19.15.29.13.D (1) NMAC. The laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included in Appendix D. All sampling notifications to NMOCD and additional correspondence is included in Appendix E.

DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment, process piping, the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 4,318 square feet, and assuming a depth of up to 6 feet bgs under the transfer pumps on the east side of the lined containment, 4 feet bgs under the piping and equipment on the south side of secondary lined containment and 3 feet on the west side, and 1-foot bgs beneath the secondary lined containment based on the analytical results from surrounding confirmation samples and delineation boreholes (BH01, BH02 BH07 and BH11), a total of approximately 166 cubic yards of impacted soil remains in place. Soil in the vicinity of floor confirmation soil samples FS37, FS38, FS41, and FS47 are included in this deferment request due to the proximity of production equipment and safety concerns of excavating deeper, which has the potential to destabilize the equipment and harm workers and/or the environment. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS04, BH10 at 0 feet bgs, and sidewall soil sample SW02 at 0-0.5 feet bgs and vertically delineated by borehole samples BH01 through BH03 at 1-foot bgs, BH07 at 4 feet bgs, and BH11 at 6 feet bgs. Vertical delineation inside confirmation sample areas FS37 and FS38 could not be advanced due to process piping, catwalk stairs and underground electrical lines, however, the depth of contamination in these areas can be estimated by using the nearby floor sample FS36.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be 55 feet bgs, and all accessible impacted soil was removed to the Maximum Extent Practicable (MEP) during the excavation activities. Any gross impacts were removed via scraping of the ground surface. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2420059937 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,

Ensolum, LLC

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

cc: Jason Touchet, Matador Production Company



Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Areas of Requested Deferral

Table 1 Delineation Soil Sample Analytical Results
 Table 2 Excavation Soil Sample Analytical Results
 Table 3 Sidewall Soil Sample Analytical Results

Appendix A Well Log and Record Appendix B Photographic Log

Appendix C Lithologic Soil Sampling Logs

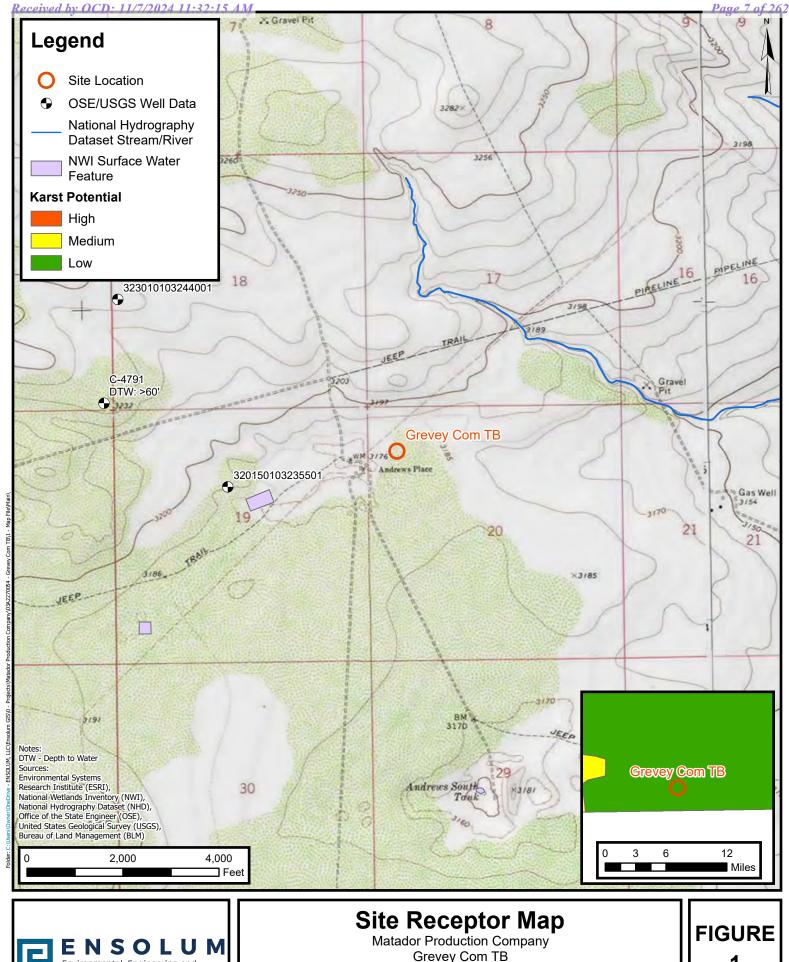
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Correspondence





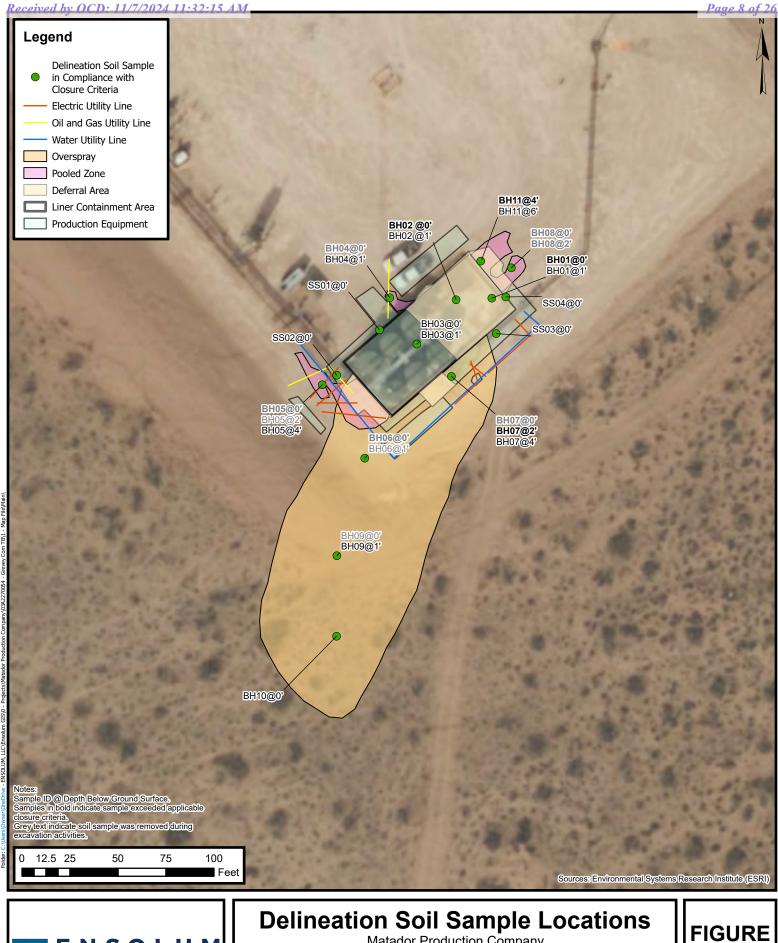
FIGURES





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Grevey Com TB Incident Number: nAPP2420059937 L-20-26S-35E Lea County, New Mexico





Matador Production Company Grevey Com TB Incident Number: nAPP2420059937 L-20-26S-35E Lea County, New Mexico FIGURE 2

FS07@0.5'

SW02@0-0.5'

FS10@0.5'

FS13@0.5'



Sample ID @ Depth Below Ground Surface. Samples in bold indicate sample exceeded applicable

Grey text indicate soil sample was removed during excavation activities.

20

5 10

Confirmation Soil Sample Locations

FS20@0.5

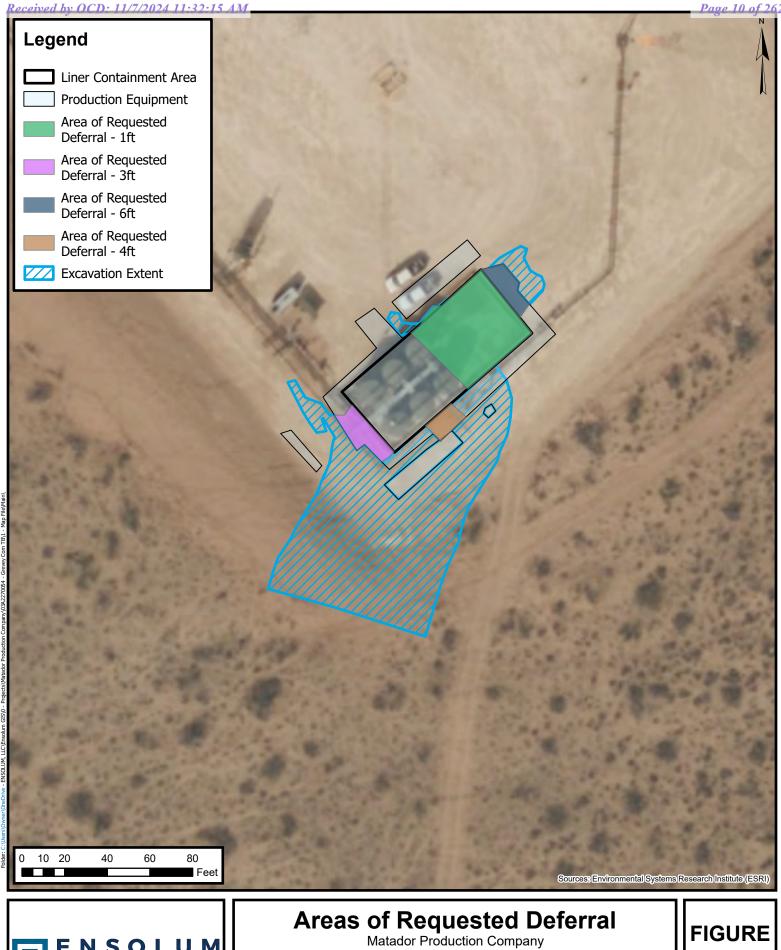
FS24@0.5'

Matador Production Company Grevey Com TB Incident Number: nAPP2420059937 L-20-26S-35E Lea County, New Mexico FIGURE 3

Sources: Environmental Systems Research Institute (ESRI)

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40 ■ Feet





Grevey Com TB Incident Number: nAPP2420059937 L-20-26S-35E Lea County, New Mexico

FIGURE



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Grevey Com TB

Matador Production Company
Lea County, New Mexico

				<u>Lea</u>	County, New Me	XICO																
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)												
NMOCD Table I	NMOCD Table I Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	NE	100	600												
Delineation Soil Samples																						
SS01	7/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	362												
SS02	7/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	70.4												
SS03	7/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0												
SS04	7/30/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	112												
BH01	7/26/2024	0	<0.0250	4.973	30.1	8,690	2,950	8,720.10	11,670.1	2,380												
BH01	7/26/2024	1	<0.0250	<0.0250	<20.0	63.2	<50.0	<25.0	63.2	32.8												
BH02	7/26/2024 7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	7/26/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	3,920
BH02		1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	40.9												
BH03	7/26/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	482												
BH03	7/26/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0												
BH04	7/30/2024	0	3.61	25.75	261	37,200	11,000	11,261	22,261	136												
BH04	7/30/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	212												
BH05	7/30/2024	0	2.31	22.679	252	29,700	8,740	29,952	38,692	<20.0												
BH05	7/30/2024	2	<0.0250	0.149	<20.0	670	221	670	891	939												
BH05	7/30/2024	4	<0.0250	<0.0500	<20.0	73.6	<50.0	73.6	73.6	71.7												
BH06	7/30/2024	0	<0.0250	0.0806	<20.0	596	240	596	836	17,400												
BH06	7/30/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	267												
BH07	7/30/2024	0	2.89	21.79	242	19,600	5,910	19,842	25,752	<20.0												
BH07	7/30/2024	2	<0.0250	<0.0500	<20.0	167	105	167	272	123												
BH07	7/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0												
BH08	7/30/2024	0	5.98	56.54	416	29,200	8,040	29,616	37,656	428												
BH08	7/30/2024	2	<0.0250	<0.0500	<20.0	523	199	523	722	31.6												



TABLE 1 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Grevey Com TB

Matador Production Company
Lea County, New Mexico

	Lea County, New Mexico											
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600		
				Delir	neation Soil San	nnles						
					ioation con can	ipics						
BH09	7/30/2024	0	<0.0250	<0.0500	<20.0	313	197	313	510	<20.0		
BH09 BH09	7/30/2024 7/30/2024	0	<0.0250 <0.0250			<u> </u>	197 <50.0	313 <20.0	510 <50.0	<20.0 <20.0		
		0 1 0		<0.0500	<20.0	313	197 <50.0 <50.0					
BH09	7/30/2024	0 1 0 4	<0.0250	<0.0500 <0.0500	<20.0 <20.0	313 <25.0		<20.0	<50.0	<20.0		

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

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

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

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

TPH: Total Petroleum Hydrocarbon

DRO: Diesel Range Organics

ORO: Oil Range Organics

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



TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

Grevey Com TB
Matador Production Company

	Lea County, New Mexico											
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
	Excavation Floor Soil Samples											
FS01	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS02	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS03	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS04	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS05	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS06	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS07	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS08	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS09	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS10	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS11	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS12	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS13	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS14	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS15	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS16	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	25.4		
FS17	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS18	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS19	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS20	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS21	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS22	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	25.7		
FS23	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	46.1		
FS24	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS25	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS26	10/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS27	10/4/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	190		
FS28	10/2/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0		
FS29	10/2/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	41.8		
FS30	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	68.1		
FS31	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<50.0	20.4		

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TABLE 2 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Grevey Com TB Matador Production Company Lea County, New Mexico

					oddinty, itom inc								
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600			
	Excavation Floor Soil Samples												
FS32	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	250			
FS33	10/2/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	511			
FS34		3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	211			
FS35		3.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0			
FS36	10/4/2024	3	<0.0250	<0.0500	<20.0	<20.0 <25.0		<25.0	<25.0	96.7			
FS37	10/4/2024	0.5	8.50	105.26	907	9,670	2,980	10,577	13,557	2,160			
FS38	10/4/2024	2	1.33	14.222	177	1,270	377	1,447	1,824	752			
FS39	10/4/2024	2024 0.5-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	146			
FS40	10/4/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	208			
FS41	10/4/2024	0.5	0.266	1.496	95.5	1,490	594	1,585.5	2,180	982			
FS42	10/4/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	64.2			
FS43	10/3/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	45.5			
FS44	10/3/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	32.0			
FS45	10/3/2024	0.5	<0.0250	<0.0500	<20.0	58.3	<50.0	58.3	58.3	24.0			
FS46	10/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	799			
FS46	10/18/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	68.4			
FS47	10/4/2024	0.5	0.0835	1.019	38.4	1,710	596	1,748.4	2,344	4,780			

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.

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

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



TABLE 3

SOIL SAMPLE ANALYTICAL RESULTS

Grevey Com TB
Matador Production Company
Lea County, New Mexico

	Lea County, New Mexico													
Sample Date		Depth (feet bgs)	Benzene (mg/kg)					GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600				
				Sid	ewall Soil Samp	oles								
SW01	SW01 10/3/2024 0-2		<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	269				
SW02 10/4/2024 0-0.5		<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	<20.0					
SW03	10/4/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	27.2				
SW04 10/4/2024 0.3		<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<25.0	154					

Notes:

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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



APPENDIX A

Well Log & Record

OSE OTT FEB 26 2024 PM 2:04



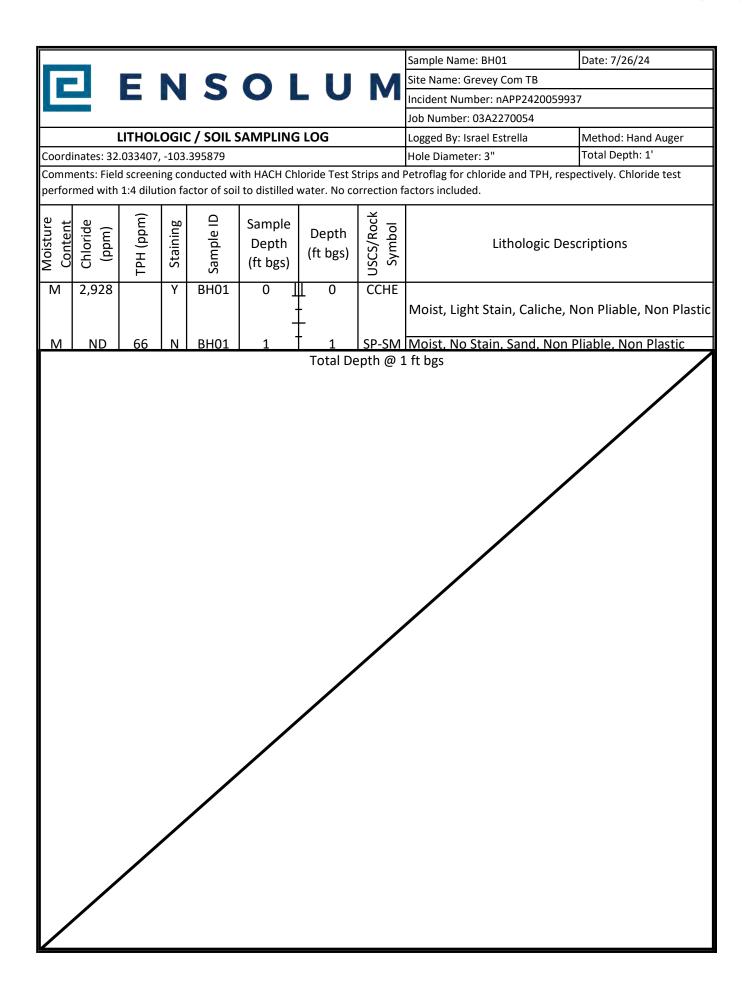
	WELL OWNER N		Lay	C-4791		-	C04791 PHONE (OPTIO	ONAL)			
1	Devon Energy										
1	WELL OWNER M 205 E Bender				Hobbs		NM 88240	ZIP			
F	WELL LOCATION	LAT	DE	GREES MINUTES 32 2	N	* ACCURACY	REQUIRED: ONE TENT	TH OF A SECOND			
L	(FROM GPS)			-103 24	56.3724	W	* DATUM REC	QUIRED: WGS 84			
	DESCRIPTION R	ELATIN	G WELL LOCATION TO	STREET ADDRESS AND COMMO	ON LANDMARK	S – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE		
T	LICENSE NO. 1833		NAME OF LICENSED	DRILLER Jason Maley				NAME OF WELL DRI	LLING COMPANY		
-	DRILLING STAR	TED	DRILLING ENDED	DEPTH OF COMPLETED WELL (RE HO	LE DEPTH (FT)		ST ENCOUNTERED (FT)		
	2-8-24		2-8-24	60			60		Dry		
	COMPLETED WI	ELL IS:	ARTESIAN *add Centralizer info bel	DRY HOLE SHALL	OW (UNCONFI	NED)		WATER LEVEL PLETED WELL (DATE STATIC	MEASUI	
	DRILLING FLUI		✓ AIR		Lavmay	THE PER PER POS A DA	portio to				
L	DRILLING METH	OD: 🔽	ROTARY HAMN	MER CABLE TOOL OT	HER - SPECIFY	:		INSTAL	HERE IF PITLESS ADA LED	APTER IS	
-	DEPTH (fee	t bgl) TO	BORE HOLE DIAM	GRADE	(include each easing string and		ASING NECTION	CASING INSIDE DIAM.	CASING WALL THICKNESS	SLO	
L			(inches)	note sections of screen		id coup	TYPE oling diameter)	(inches)	(inches)	(inch	
-	20	30	6"	PVC 2"SCH40 PVC 2"SCH40	-		Thread Thread	2"	SCH40 SCH40	N/.	
-	20	50						-	501,0		
-											
-											
-											
1	DEPTH (fee	t bgl)	BORE HOLE	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK S				AMOUNT METHOD OF			
t	FROM	ТО	DIAM. (inches)	*(if using Centralizers for Arte		cate th	e spacing below)	(cubic feet)		METHOD OF PLACEMENT	
-				None pul	led and plugge	d					
-											
1											
-			- 1								
-	OSE INTERNA	100					350	0 WELL RECORD			

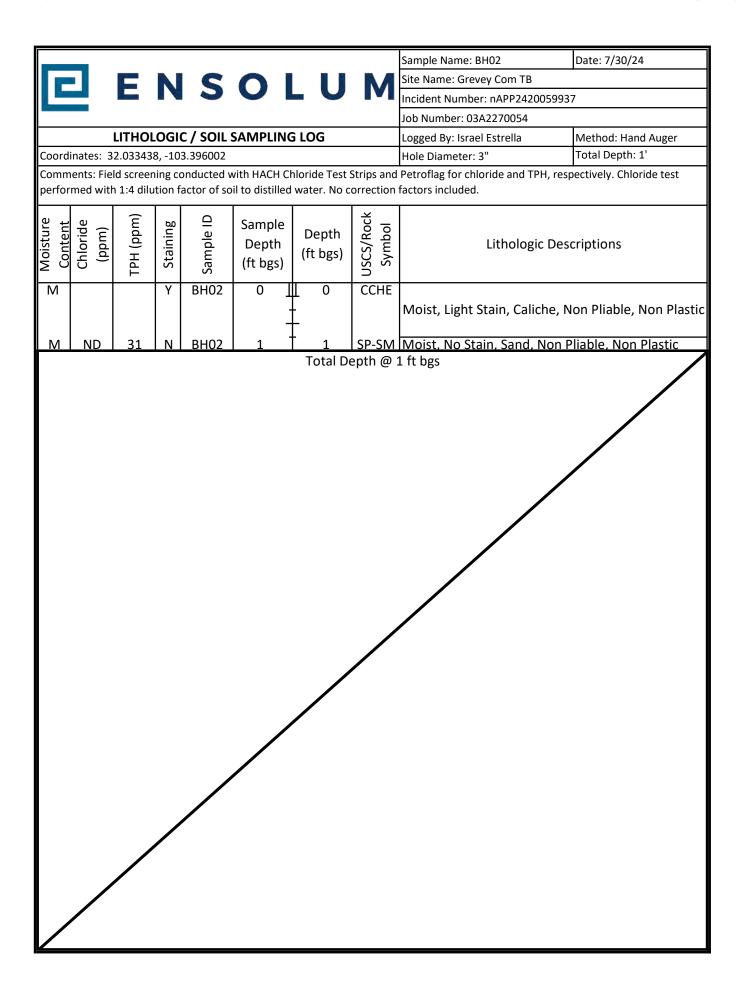
_												
	DEPTH (f		THICKNESS (feet)		OR AND TYPE (WATER-BEARI			COUNTERED - FRACTURE ZONE	-	WATE BEARE	NG?	ESTIMATED YIELD FOR WATER-
	FROM	то	(leet)	(atta	ach supplementa	l sheets to f	ully desc	ribe all units)		(YES/I	NO)	BEARING ZONES (gpm)
	0	60	60'		Tan sand with sm	nall rock, sar	nd caved	hole to30'		Y	✓ N	
										Y	N	
										Y	N	
										Y	N	
										Y	N	
1										Y	N	
										Y	N	
5										Y	N	
3										Y	N	
1										Y	N	
5										Y	N	
										Y	N	
3										Y	N	
										Y	N	
4. HIDROGEOLOGIC LOG OF WELL										Y	N	
									_	Y	N	
									-	Y	N	
									-	Y	N	
				-					-	Y	N	
									-	Y	N	
				7 4					-	Y	N	
			LOWIN CLASS AND LABOR D	OF WATER D	CARRIC CERAT				TOTAL	ESTIM		
	METHOD U		STIMATE YIELD	BAILER	OTHER - SI		y			YIELD		0
Z	WELL TES	T TEST	RESULTS - ATT	ACH A COPY O ME, AND A TA	OF DATA COLL	ECTED DU DISCHAR	RING W GE AND	ELL TESTING, IN DRAWDOWN OV	CLUDING ER THE	G DISCH	ARGE I	METHOD, DD.
ISION	MISCELLA	NEOUS IN	FORMATION:									
PERV	MISCELLA	NEOUS IN	TORMATION.					a	run rapp (TO O	i mana	1 PM2:04
5. TEST; RIG SUPERV								12	-Dim 1277 1	- La 2	3 2024	· • • • • • • • • • • • • • • • • • • •
TEST	PRINT NAM	ME(S) OF I	ORILL RIG SUPE	RVISOR(S) THA	AT PROVIDED C	NSITE SU	PERVISI	ON OF WELL CO	NSTRUCT	TON OT	HER TH	IAN LICENSEE
n												
LIUNE	CORRECT	RECORD (HEREBY CERTIL OF THE ABOVE I OLDER WITHIN	DESCRIBED HO	DLE AND THAT	HE OR SH	E WILL	VLEDGE AND BE FILE THIS WELL NG:	LIEF, THE RECORD	E FOREC	GOING I	S A TRUE ANI ATE ENGINEE
6. SIGNATURE		N	Mal	1	Jason Ma	aley		_	7	2/4	104	
		SIGNA	TURE OF DRILLI	ER V PRINT SI	IGNEE NAME					,	DATE	
FO	R OSE INTER	NAL USE						WR-20 WI	ELL RECO	ORD & L	.OG (Ve	rsion 09/22/2022
	ENO. C-	0470			POD N	0.		TRN NO.	753	933	5	
LO	CATION 7	65.3	4E.13.	444				WELL TAG ID NO				PAGE 2 OF

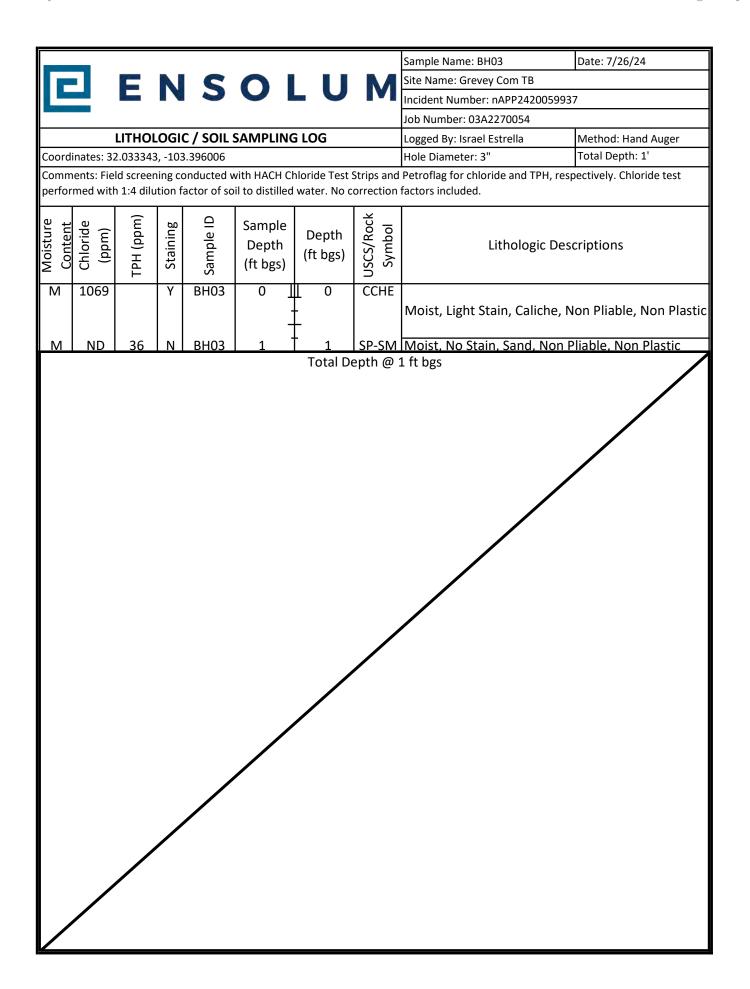


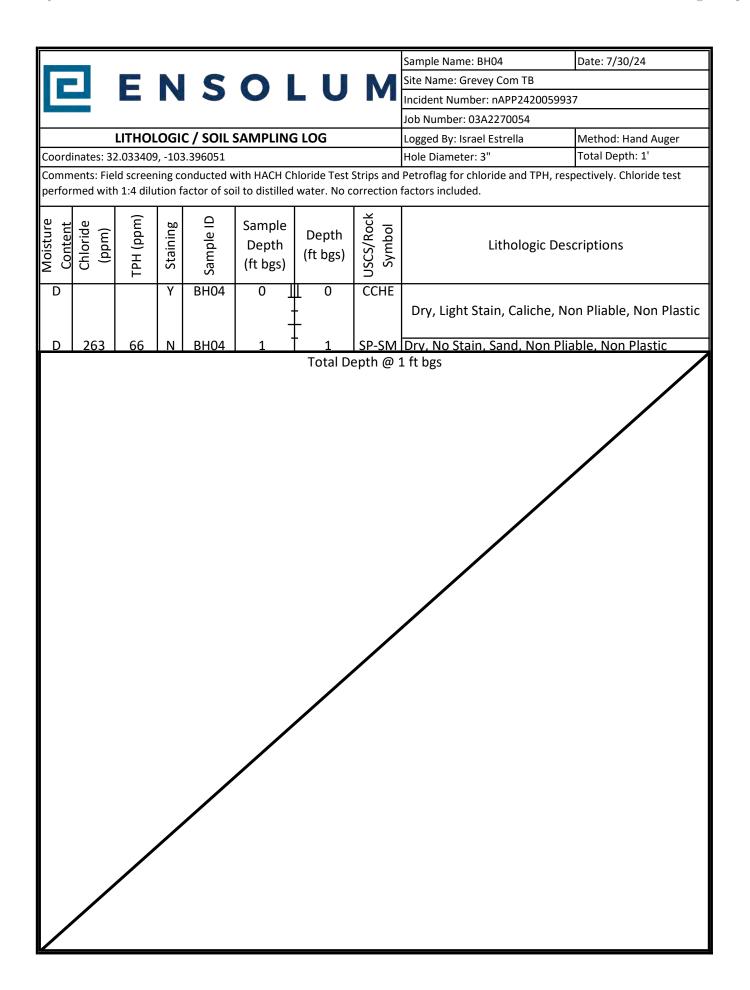
APPENDIX C

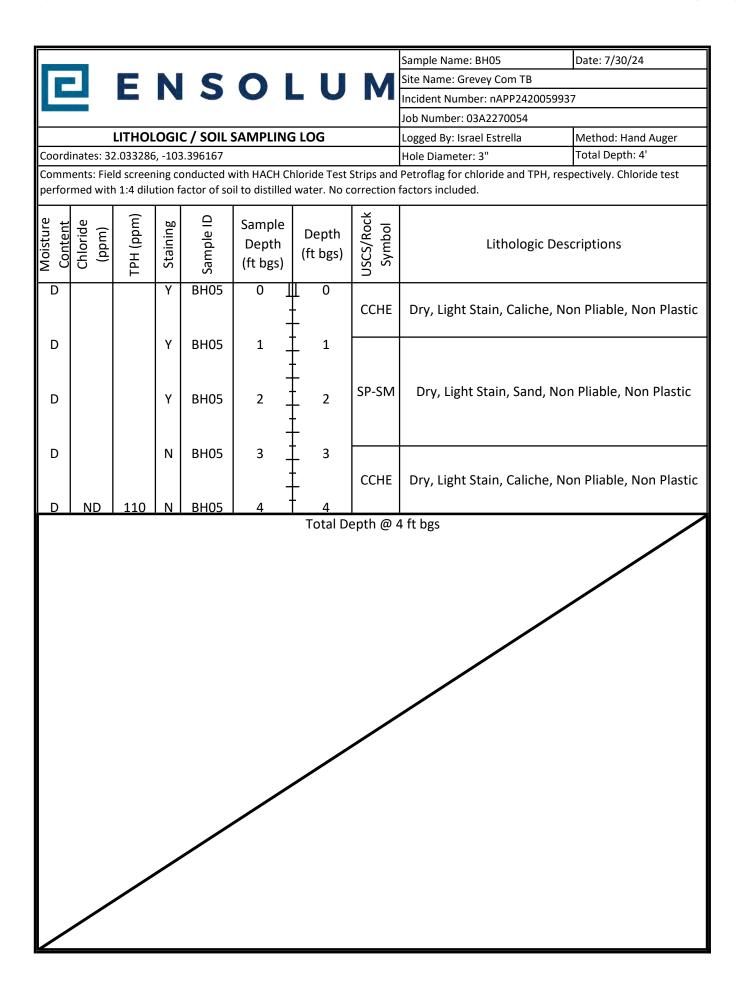
Lithologic Soil Sampling Logs

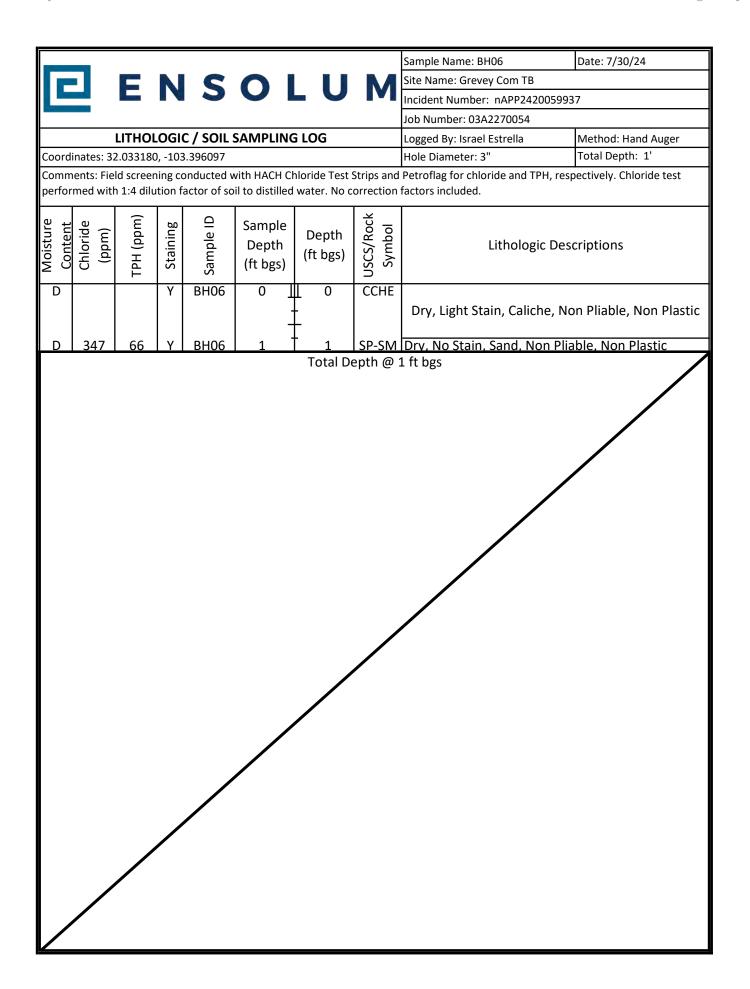


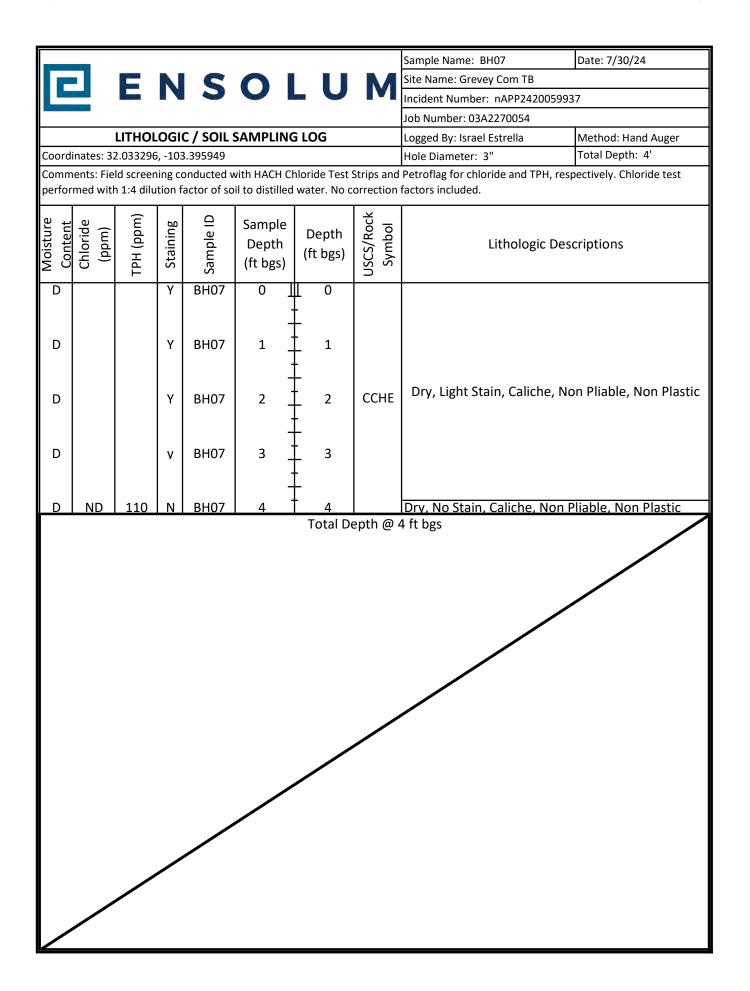


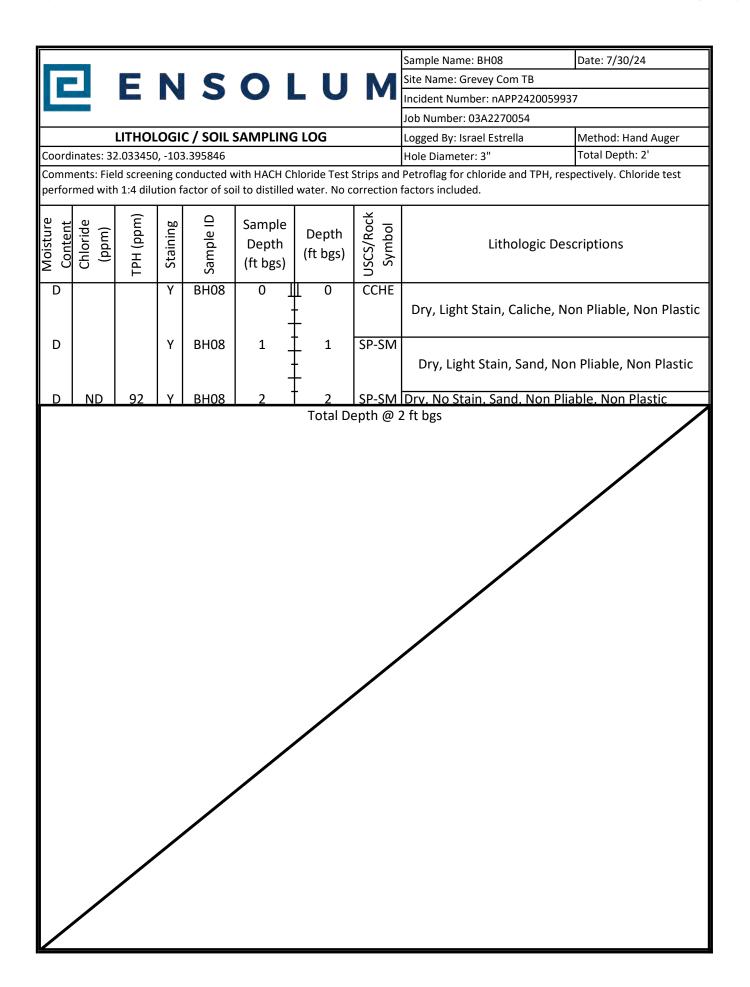


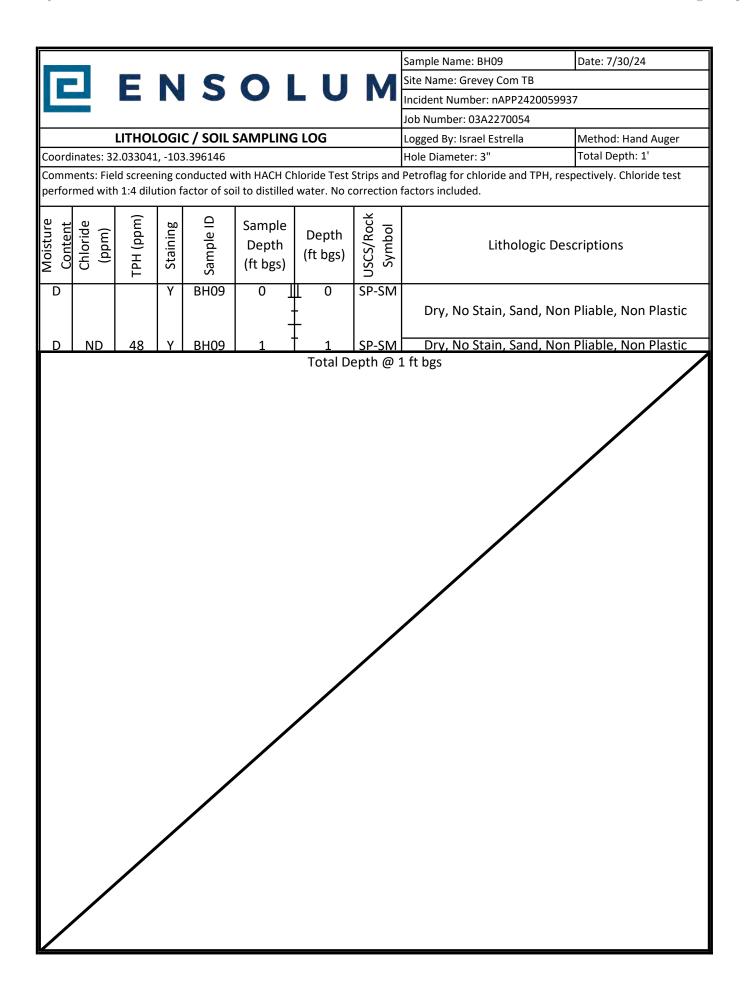


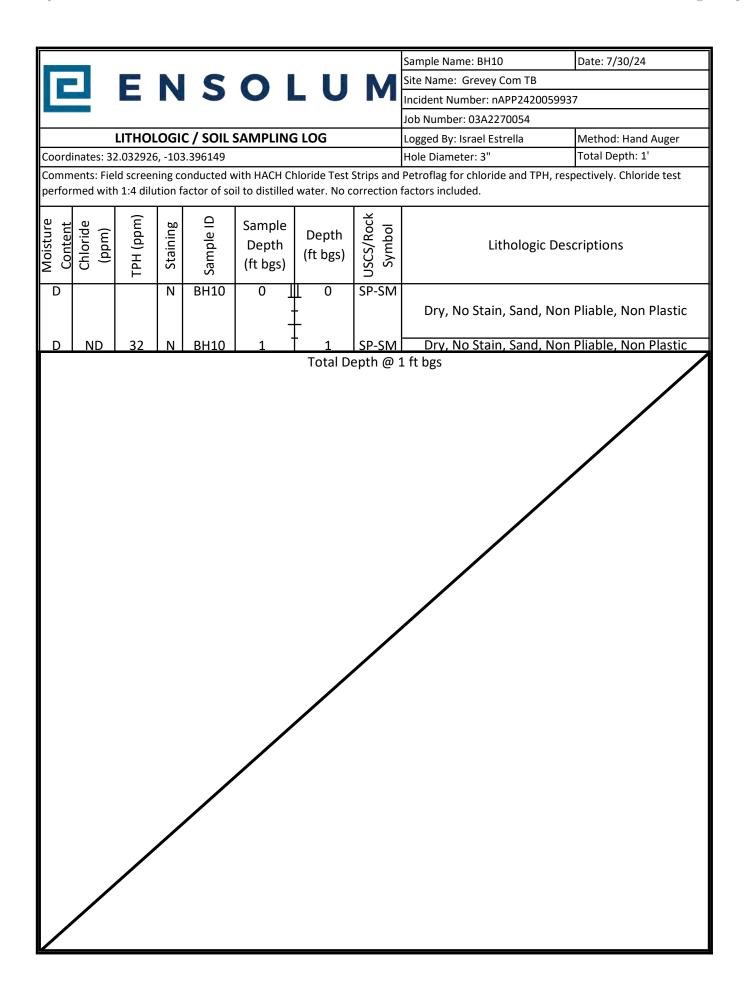


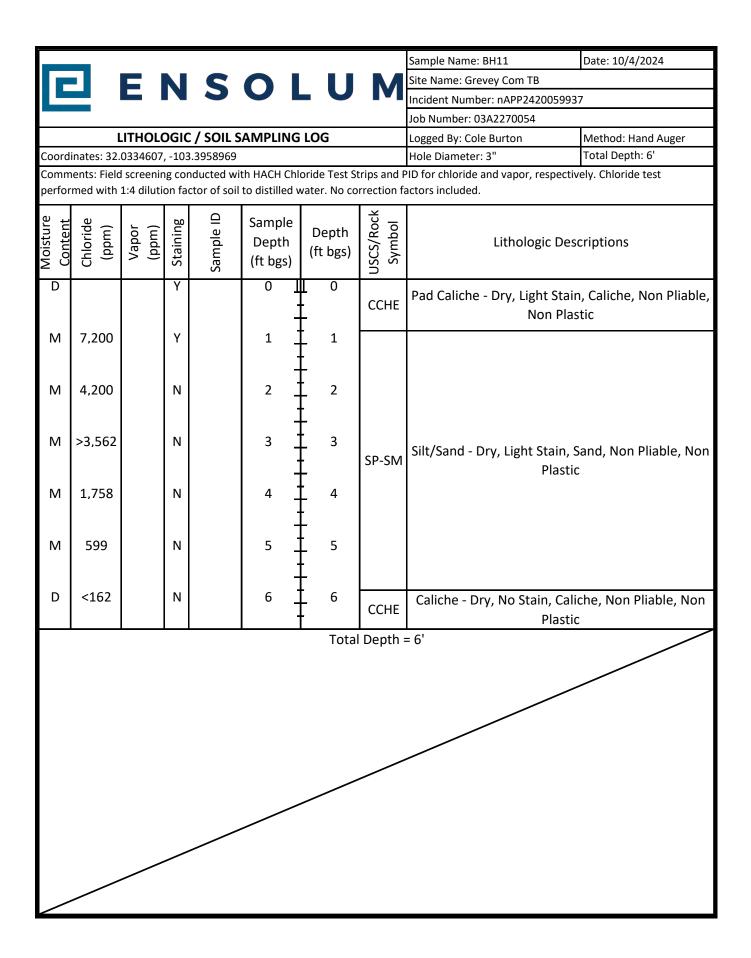














APPENDIX B

Photographic Log



Photographic Log Matador Production Company Grevey Com TB nAPP2420059937





Photograph 1 Date: 07/18/2024

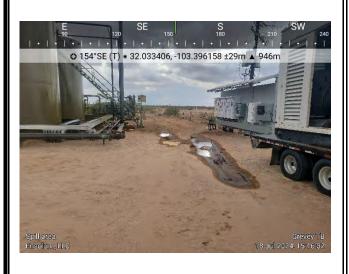
Description: Release Extent

View: North

Photograph 2

Description: Release Extent

View: Southeast





Photograph 3

Description: Release Extent

Date: 07/18/2024

Photograph 4

Date: 07/18/2024

Date: 07/18/2024

View: Southeast

Description: Release Extent

View: South



Photographic Log

Matador Production Company

Grevey Com TB

nAPP2420059937





Photograph 5 Date: 07/18/2024

Description: Release Extent
View: Southwest

Photograph 6 Date: 07/18/2024

Description: Release Extent View: Southwest





Photograph 7 Date: 07/26/2024

Description: Liner Integrity Inspection

View: West

Photograph 8 Date: 07/26/2024

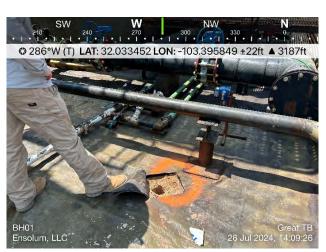
Description: Liner Integrity Inspection

View: West



Photographic Log Matador Production Company Grevey Com TB nAPP2420059937





Photograph 9 Date: 07/26/2024

Description: Liner Integrity Inspection

View: Northwest

Photograph 10 Date: 07/26/2024

Description: Vertical Delineation Sampling

View: West





Photograph 11

Description: Liner Patch

View: West

Photograph 12

Description: Liner Patch

View: West

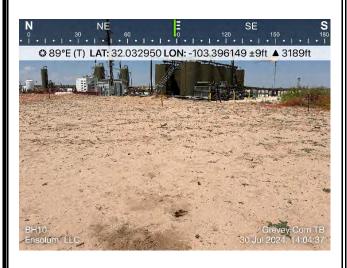
Date: 07/26/2024

Date: 07/26/2024



Photographic Log

Matador Production Company Grevey Com TB nAPP2420059937





Photograph 13 Date: 07/30/2024

Description: Lateral Delineation Sampling

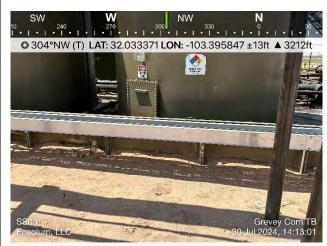
View: East

Photograph 14 Date: 07/30/2024

Description: Lateral Delineation Sampling

View: East





Photograph 15 Date: 07/30/2024

Description: Delineation Sampling

View: Southeast

Photograph 16 Date: 07/30/2024

Description: Lateral Delineation Sampling

View: Northwest



Photographic Log Matador Production Company Grevey Com TB nAPP2420059937





Photograph 17 Date: 09/30/2024

Description: Hydrovac lines

View: West

Photograph 18

Description: Surface scrape

View: North

Date: 09/30/2024





Photograph 19

Description: Excavation

View: Northeast

Date: 10/01/2024 Photograph 20

Description: Excavation

View: Northwest

Date: 10/01/2024



Photographic Log

Matador Production Company

Grevey Com TB

nAPP2420059937





Photograph 21 Date: 10/02/2024 Photograph 22 Date: 10/02/2024

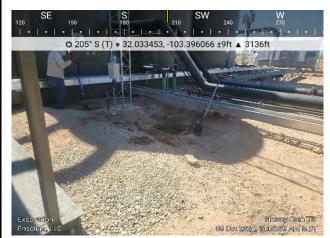
Description: Excavation

View: Northwest

Description: Excavation

View: Northeast





Photograph 23 Date: 10/02/2024 Photograph 24 Date: 10/03/2024

Description: Excavation

View: North

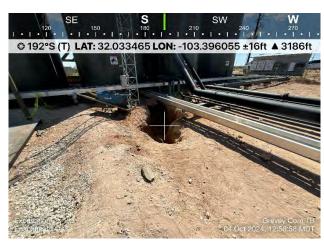
Description: Excavation

View: Southwest



Photographic Log Matador Production Company Grevey Com TB nAPP2420059937





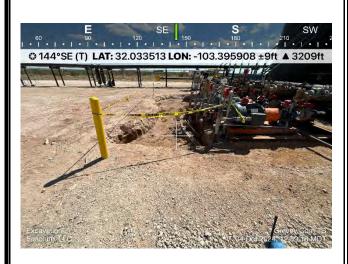
Photograph 25 Date: 10/03/2024 Photograph 26 Date: 10/04/2024

Description: Excavation

View: West

Description: South

View: Excavation





Photograph 27 Date: 10/04/2024 Photograph 28 Date: 10/04/2024

Description: Excavation

View: Southeast

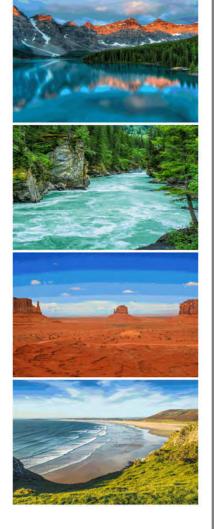
View: Southeast



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E407238

Job Number: 23003-0002

Received: 7/30/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/2/24

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

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

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

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

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

Date Reported: 8/2/24

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

Project Name: Grevey Com TB

Workorder: E407238

Date Received: 7/30/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/30/2024 8:30:00AM, under the Project Name: Grevey Com TB.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Grevey Com TB	Donoutodi
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/02/24 08:22

Client Sample ID	Lab Sample ID Matri	Sampled Sampled	Received	Container
BH01 - 0'	E407238-01A Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
BH01 - 1'	E407238-02A Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
BH02 - 0'	E407238-03A Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
BH02 - 1'	E407238-04A Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
BH03 - 0'	E407238-05A Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
BH03 - 1'	E407238-06A Soil	07/26/24	07/30/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/2/2024 8:22:31AM

BH01 - 0' E407238-01

		E40/238-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431050
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	0.525	0.0250	1	07/30/24	07/31/24	
Toluene	0.285	0.0250	1	07/30/24	07/31/24	
o-Xylene	1.78	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	0.303	0.0500	1	07/30/24	07/31/24	
Total Xylenes	2.08	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431050
Gasoline Range Organics (C6-C10)	30.1	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	8690	125	5	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	2950	250	5	07/30/24	07/30/24	
Surrogate: n-Nonane		114 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2431053
Chloride	2380	100	5	07/30/24	07/30/24	

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/2/2024 8:22:31AM

BH01 - 1' E407238-02

E40/230-02						
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2431050
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
o,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2431050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	63.2	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane		92.9 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2431053
Chloride	32.8	20.0	1	07/30/24	07/30/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/2/2024 8:22:31AM

BH02 - 0' E407238-03

Notes
Batch: 2431050
Batch: 2431050
Batch: 2431047
Batch: 2431053
_



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/2/2024 8:22:31AM

BH02 - 1' E407238-04

		E40/238-04				
	D. I	Reporting	D.1 (D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431050
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane		90.7 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2431053
Chloride	40.9	20.0	1	07/30/24	07/30/24	·



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/2/2024 8:22:31AM

BH03 - 0' E407238-05

		E40/238-05				
Aughte	Result	Reporting Limit	Dilution	Duamanad	Analyzed	Notes
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2431050
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2431050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane		91.9 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2431053
Chloride	482	40.0	2	07/30/24	07/30/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/2/2024 8:22:31AM

BH03 - 1' E407238-06

	E-107250 00				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431050
ND	0.0250	1	07/30/24	07/31/24	
ND	0.0250	1	07/30/24	07/31/24	
ND	0.0250	1	07/30/24	07/31/24	
ND	0.0250	1	07/30/24	07/31/24	
ND	0.0500	1	07/30/24	07/31/24	
ND	0.0250	1	07/30/24	07/31/24	
	92.1 %	70-130	07/30/24	07/31/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431050
ND	20.0	1	07/30/24	07/31/24	
	108 %	70-130	07/30/24	07/31/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2431047
ND	25.0	1	07/30/24	07/30/24	
ND	50.0	1	07/30/24	07/30/24	
	84.6 %	50-200	07/30/24	07/30/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2431053
ND	20.0	1	07/30/24	07/30/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 mg/kg mg/kg MB/kg mg/kg ND 20.0 108 % mg/kg ND 25.0 ND 50.0 84.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 92.1 % 70-130 mg/kg mg/kg Ana ND 20.0 1 108 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 84.6 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Manalyst: BA ND 0.0250 1 07/30/24 ND 0.0250 1 07/30/24 ND 0.0250 1 07/30/24 ND 0.0250 1 07/30/24 ND 0.0500 1 07/30/24 ND 0.0250 1 07/30/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/30/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/30/24 ND 25.0 1 07/30/24 ND 50.0 1 07/30/24 ND 50.0 1 07/30/24 ND 50.0 07/30/24 84.6 % 50-200 07/30/24 mg/kg Mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/30/24 07/31/24 ND 0.0500 1 07/30/24 07/31/24 ND 0.0250 1 07/30/24 07/31/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/30/24 07/31/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/30/24 07/31/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/30/24 07/30/24 ND 50.0 1 07/30/24 07/30/24 ND 50.0 1 07/30/24 07/30/24



Benzene Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

QC Summary Data

Matador Resources, LLC. Grevey Com TB Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 8/2/2024 8:22:31AM **Volatile Organics by EPA 8021B** Analyst: BA Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2431050-BLK1) Prepared: 07/30/24 Analyzed: 07/31/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.14 8.00 89.2 70-130 LCS (2431050-BS1) Prepared: 07/30/24 Analyzed: 07/31/24

Total Xylenes	13.0	0.0250	15.0		86.3	70-130	
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130	
Matrix Spike (2431050-MS1)				Source	E407237-	07	Prepared: 07/30/24 Analyzed: 07/31/24
Benzene	5.15	0.0250	5.00	ND	103	54-133	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	
Toluene	5.20	0.0250	5.00	ND	104	61-130	
o-Xylene	5.11	0.0250	5.00	ND	102	63-131	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130	

5.00

5.00

5.00

5.00

10.0

0.0250

0.0250

0.0250

0.0250

0.0500

86.3

84.2

87.5

85.9

86.6

70-130

70-130

70-130

70-130

70-130

4.31

4.21

4.38

4.29

8.66

Matrix Spike Dup (2431050-MSD1)				Source:	E407237-	07	Prepared: 07	7/30/24 Analyzed: 07/31/24
Benzene	4.81	0.0250	5.00	ND	96.2	54-133	6.80	20
Ethylbenzene	4.69	0.0250	5.00	ND	93.7	61-133	6.17	20
Toluene	4.87	0.0250	5.00	ND	97.4	61-130	6.48	20
o-Xylene	4.80	0.0250	5.00	ND	95.9	63-131	6.34	20
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131	5.90	20
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131	6.04	20
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.2	70-130		

QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/2/2024 8:22:31AM

Nonhalogenate	ed Organic	s by EPA	8015D -	- GRO

Analyst: BA

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

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431050-BLK1)							Prepared: 0	7/30/24 A	nalyzed: 07/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.42		8.00		105	70-130			
LCS (2431050-BS2)							Prepared: 0	7/30/24 A	nalyzed: 07/31/24
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.61		8.00		108	70-130			
Matrix Spike (2431050-MS2)				Source:	E407237-	07	Prepared: 0	7/30/24 A	nalyzed: 07/31/24
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130			
Matrix Spike Dup (2431050-MSD2)				Source:	E407237-	07	Prepared: 0	7/30/24 A	nalyzed: 08/01/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.8	70-130	5.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.39		8.00		105	70-130			

QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/2/2024 8:22:31AM

, , , ,		, ,		, .	2				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431047-BLK1)							Prepared: 0	7/30/24 Ana	lyzed: 07/30/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			
LCS (2431047-BS1)							Prepared: 0	7/30/24 Ana	lyzed: 07/30/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	47.5		50.0		94.9	50-200			
Matrix Spike (2431047-MS1)				Source:	E407239-2	21	Prepared: 0	7/30/24 Ana	lyzed: 07/30/24
Diesel Range Organics (C10-C28)	453	125	250	145	123	38-132			
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			
Matrix Spike Dup (2431047-MSD1)				Source:	E407239-2	21	Prepared: 0	7/30/24 Ana	lyzed: 07/30/24
Diesel Range Organics (C10-C28)	380	125	250	145	93.9	38-132	17.6	20	
Surrogate: n-Nonane	45.9		50.0		91.7	50-200			



Chloride

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Grevey Com TE 3003-0002	3				Reported:
Dallas TX, 75240		Project Manager		Ashley Gioveng	go				8/2/2024 8:22:31AM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431053-BLK1)							Prepared: 0	7/30/24 A	nalyzed: 07/30/24
Chloride	ND	20.0							
LCS (2431053-BS1)							Prepared: 0	7/30/24 A	nalyzed: 07/30/24
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2431053-MS1)				Source:	E407237-	02	Prepared: 0	7/30/24 A	nalyzed: 07/30/24
Chloride	481	20.0	250	225	103	80-120			
Matrix Spike Dup (2431053-MSD1)				Source:	E407237-	02	Prepared: 0	7/30/24 A	nalyzed: 07/30/24

250

20.0

102

80-120

0.322

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:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/02/24 08:22

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 11/14/2024 11:59:10 AM

Page	of
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	Clie	nt Inform	nation			Invoice Infor	mation				La	b Us	e On	ly				TA	\T		State	
Client: N	Natador Proc	duction Co	ompany		Cor	Company: Ensolum LLC			Lab	Lab WO# Job Number					1D	2D	3D	Std	NM CO UT TX			
Project:	Grevey Co	om TB			Ado	Address: 3122 National Parks Hw			E'	E407238 23003-00				-000	 				×	x	\neg	
Project N	lanager: As	hley Giov	engo		City	, State, Zip: Carlsbad	NM, 8822	0					100/									\Box
Address:	3122 Natio	nal Parks	Hwy		Pho	ne: 575-988-0055							Ana	lysis	and	Met	hod				EPA Program	ヿ
City, Stat	e, Zip: Carls	bad NM,	88220		Em	ail: agiovengo@ens	olum.com														SDWA CWA RCR	Ā
Phone:	575-988-005	5			Miso	cellaneous:										1				Ī		\neg
Email: a	giovengo@e	nsolum.c	om				Į.			տ	٧ ا									1	Compliance Y or	N
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field Filter	Lab Numbei	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	
12:56	7/26/2024	Soil	1			BH01 - 0'			ı					_	x							٦
13:01	7/26/2024	Soil	1		***	BH01 - 1'			2						х							
13:05	7/26/2024	Soil	1			BH02 - 0'	· · · · · · · · · · · · · · · · · · ·		3						х							\neg
13:11	7/26/2024	Soil	1			BH02 - 1'			4		-				х						· · · · · · · · · · · · · · · · · · ·	\neg
13:14	7/26/2024	Soil	1	·	<u></u>	BH03 - 0'	- j		5						х						•	
13:21	7/26/2024	Soil	1			BH03 - 1'			6						х							٦
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Addition	al Instruction	ns: Plea	ase CC: cl	urton@e	nsolum.com,	agiovengo@ensolum	.com, cha	milto	n@enso	lum.	com,	iestr	ella@	ens	olum	n.con	n	!				ㅓ
I, (field sam	pler), attest to the	e validity and	authenticity	of this sampl	le. I am aware that	tampering with or intentional	lly mislabeling	the sar	mple locatio	on, date	or tim	e of co	llection	is cor	nsidere	ed frau	d and	may be	e groun	ds for	legal action.	\dashv
Sampled by							1														•	
ارے ا	ed by: (Signatu	-	Date 7/	29/24	7:45	Previous by (Signardie)	ngales	Date 7.0	19.14	Time	74	5				ed or re	ceived				est be received on ice the day they are temp above 0 but less than 6 °C on	*
	helle G		es Date	29.24	1700	Received by: (Signature)		7.1	ાવ.પ્ય	Time	7	<u>00</u>			Rece	eived	l on i	ice:		b Us / N	e Only	
L <i>I/</i>	ed by: (Signatu		Date	29.24	2145	Received by: (Signature)	a	Date	30-24	Time	33°	<u> </u>			<u>T1</u> _				<u>T2</u>		<u>T3</u>	_
Relinquish	ed by: (Signatu	re)	Date		Time	Received by: (Signature)		Date		Time						Ten						
	rix: S - Soil, Sd - S								tainer Ty			_										\Box
	-	-		-		arrangements are made. H this COC. The liability of th	1						-			e clier	nt exp	ense.	The re	port	for the analysis of the above	



Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	07/30/24 08:	30	Ţ	Work Order ID:	E407238
Phone:	(972) 371-5200	Date Logged In:	07/30/24 08:	53	1	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	08/05/24 17:	00 (4 day TAT)			
1. Does th	Custody (COC) e sample ID match the COC?	tah tha COC	Yes				
	e number of samples per sampling site location ma	ich the COC	Yes				
	amples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, requestions.	sted analyses?	Yes Yes	Carrier: <u>C</u>	Courier		
	I samples received within holding time?	sica anaryses:	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssit.		103	ı		Comment	s/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Sampled by	name is mis	ssing in COC by
Sample C	<u>looler</u>				client.		
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	ontainer_						
	jueous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>el</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
	imple ID?		Yes				
	ate/Time Collected?		Yes	•			
	ollectors name?		No				
	reservation the COC or field labels indicate the samples were p	reserved?	No				
	mple(s) correctly preserved?	reserveu:	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	•		110				
	se Sample Matrix he sample have more than one phase, i.e., multipha	.ro?	NI.				
	does the COC specify which phase(s) is to be analy		No				
		yzcu:	NA				
	act Laboratory						
	mples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and is	f so who?	NA S	ubcontract Lab	o: NA		
Client In	struction						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E408001

Job Number: 23003-0002

Received: 8/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/6/24

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

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

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

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

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

Date Reported: 8/6/24

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

Project Name: Grevey Com TB

Workorder: E408001

Date Received: 8/1/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2024 8:30:00AM, under the Project Name: Grevey Com TB.

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

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo08/06/24 14:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E408001-01A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
SS02 - 0'	E408001-02A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
SS03 - 0'	E408001-03A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
SS04 - 0'	E408001-04A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH04 - 0'	E408001-05A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH04 - 1'	E408001-06A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH05 - 0'	E408001-07A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH05 - 2'	E408001-08A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH05 - 4'	E408001-09A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH06 - 0'	E408001-10A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH06 - 1'	E408001-11A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH07 - 0'	E408001-12A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH07 - 2'	E408001-13A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH07 - 4'	E408001-14A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH08 - 0'	E408001-15A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH08 - 2'	E408001-16A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH09 - 0'	E408001-17A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH09 - 1'	E408001-18A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.
BH10 - 0'	E408001-19A	Soil	07/30/24	08/01/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

SS01 - 0' E408001-01

		E408001-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
p-Xylene	ND	0.0250	1	08/01/24	08/02/24	
o,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		86.8 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
Surrogate: n-Nonane		116 %	50-200	08/01/24	08/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2431113
Chloride	362	40.0	2	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

SS02 - 0'

E408001-02

	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2431109
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0500	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
	86.7 %	70-130	08/01/24	08/02/24	
mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2431109
ND	20.0	1	08/01/24	08/02/24	
	103 %	70-130	08/01/24	08/02/24	
mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2431111
ND	25.0	1	08/01/24	08/01/24	
ND	50.0	1	08/01/24	08/01/24	
	108 %	50-200	08/01/24	08/01/24	
mg/kg	mg/kg	Ar	nalyst: JM		Batch: 2431113
	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 86.7 % mg/kg mg/kg mg/kg ND 20.0 103 % mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg An ND 20.0 1 Img/kg mg/kg An ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0500 1 08/01/24 ND 0.0250 1 08/01/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/01/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/01/24 ND 25.0 1 08/01/24 ND 50.0 1 08/01/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 08/01/24 08/02/24 ND 0.0500 1 08/01/24 08/02/24 ND 0.0250 1 08/01/24 08/02/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/01/24 08/02/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/01/24 08/01/24 ND 25.0 1 08/01/24 08/01/24 ND 50.0 1 08/01/24 08/01/24



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

SS03 - 0'

E408001-03

Result		Dilution	Prepared	Analyzed	Notes
			•	1 11111/200	Batch: 2431109
		1	08/01/24	08/02/24	
		1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0500	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
	85.9 %	70-130	08/01/24	08/02/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2431109
ND	20.0	1	08/01/24	08/02/24	
	105 %	70-130	08/01/24	08/02/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2431111
ND	25.0	1	08/01/24	08/01/24	
ND	50.0	1	08/01/24	08/01/24	
	117 %	50-200	08/01/24	08/01/24	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2431113
ND	20.0	1	08/01/24	08/01/24	
	ND ND mg/kg ND mg/kg ND mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 85.9 % mg/kg mg/kg ND 20.0 105 % mg/kg mg/kg ND 25.0 ND 50.0 117 % mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 Mg/kg mg/kg Analy Mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0500 1 08/01/24 ND 0.0250 1 08/01/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/01/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/01/24 ND 25.0 1 08/01/24 ND 50.0 1 08/01/24 ND 50.0 1 08/01/24 Mg/kg Mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 08/01/24 08/02/24 ND 0.0500 1 08/01/24 08/02/24 ND 0.0250 1 08/01/24 08/02/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/01/24 08/02/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/01/24 08/02/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/01/24 08/01/24 ND 50.0 1 08/01/24 08/01/24 ND 50.0 1 08/01/24 08/01/24 Mg/kg mg/kg



Chloride

Sample Data

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

SS04 - 0'

E408001-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		87.4 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
Surrogate: n-Nonane		113 %	50-200	08/01/24	08/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2431113

20.0

112

08/01/24

08/01/24



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH04 - 0' E408001-05

		E-100001-03				
Analyte	Result	Reporting Limit	; Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2431109
Benzene	ND	0.125	5	08/01/24	08/02/24	
Ethylbenzene	3.61	0.125	5	08/01/24	08/02/24	
Toluene	1.04	0.125	5	08/01/24	08/02/24	
o-Xylene	9.05	0.125	5	08/01/24	08/02/24	
p,m-Xylene	12.0	0.250	5	08/01/24	08/02/24	
Total Xylenes	21.1	0.125	5	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	261	100	5	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	37200	500	20	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	11000	1000	20	08/01/24	08/01/24	
Surrogate: n-Nonane		224 %	50-200	08/01/24	08/01/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2431113
Chloride	136	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH04 - 1' E408001-06

	E-100001 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2431109
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
ND	0.0500	1	08/01/24	08/02/24	
ND	0.0250	1	08/01/24	08/02/24	
	89.0 %	70-130	08/01/24	08/02/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2431109
ND	20.0	1	08/01/24	08/02/24	
	103 %	70-130	08/01/24	08/02/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2431111
ND	25.0	1	08/01/24	08/01/24	
ND	50.0	1	08/01/24	08/01/24	
	112 %	50-200	08/01/24	08/01/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2431113
212	20.0	1	08/01/24	08/01/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 89.0 % mg/kg MD 20.0 103 % mg/kg ND 25.0 ND 50.0 112 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 89.0 % 70-130 mg/kg mg/kg Anal ND 20.0 1 103 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 112 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0500 1 08/01/24 ND 0.0250 1 08/01/24 ND 0.0250 1 08/01/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/01/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/01/24 ND 50.0 1 08/01/24 ND 50.0 1 08/01/24 ND 50.0 1 08/01/24 Mg/kg mg/kg Analyst: JM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 08/01/24 08/02/24 ND 0.0250 1 08/01/24 08/02/24 ND 0.0250 1 08/01/24 08/02/24 ND 0.0500 1 08/01/24 08/02/24 ND 0.0250 1 08/01/24 08/02/24 ND 0.0250 1 08/01/24 08/02/24 mg/kg mg/kg Analyst: BA ND 20.0 1 08/01/24 08/02/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/01/24 08/02/24 ND 25.0 1 08/01/24 08/01/24 ND 50.0 1 08/01/24 08/01/24 ND 50.0 1 08/01/24 08/01/24 ND 50.0 1 08/01/24



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH05 - 0' E408001-07

		E408001-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2431109
Benzene	ND	0.125	5	08/01/24	08/02/24	
Ethylbenzene	2.31	0.125	5	08/01/24	08/02/24	
Toluene	0.969	0.125	5	08/01/24	08/02/24	
o-Xylene	6.19	0.125	5	08/01/24	08/02/24	
p,m-Xylene	13.2	0.250	5	08/01/24	08/02/24	
Total Xylenes	19.4	0.125	5	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	252	100	5	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	29700	500	20	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	8740	1000	20	08/01/24	08/01/24	
Surrogate: n-Nonane		201 %	50-200	08/01/24	08/01/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2431113
Chloride	ND	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH05 - 2'

E408001-08						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	0.0527	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	0.0962	0.0500	1	08/01/24	08/02/24	
Total Xylenes	0.149	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	670	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	221	50.0	1	08/01/24	08/01/24	
Surrogate: n-Nonane		122 %	50-200	08/01/24	08/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2431113
Chloride	93.9	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH05 - 4' E408001-09

		E400001-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tildiye	resuit	- Emili	Bilation	Trepured	7 mary zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	73.6	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		122 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2431113
Chloride	71.7	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH06 - 0' E408001-10

Reporting Limit				
	Dilution	Prepared	Analyzed	Notes
mg/kg	Analyst: BA		Batch: 2431109	
0.0250	1	08/01/24	08/02/24	
0.0250	1	08/01/24	08/02/24	
0.0250	1	08/01/24	08/02/24	
0.0250	1	08/01/24	08/02/24	
0.0500	1	08/01/24	08/02/24	
0.0250	1	08/01/24	08/02/24	
95.4 %	70-130	08/01/24	08/02/24	
mg/kg	Analyst: BA		Batch: 2431109	
20.0	1	08/01/24	08/02/24	
104 %	70-130	08/01/24	08/02/24	
mg/kg	Analys	Analyst: KM		Batch: 2431111
25.0	1	08/01/24	08/02/24	
50.0	1	08/01/24	08/02/24	
115 %	50-200	08/01/24	08/02/24	
mg/kg	Analys	t: JM		Batch: 2431113
200	10	08/01/24	08/01/24	
	0.0250 0.0250 0.0250 0.0250 0.0500 0.0250 95.4 % mg/kg 20.0 104 % mg/kg 25.0 50.0	0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0500 1 0.0250 1 0.0250 1 0.0250 1 95.4% 70-130 mg/kg Analys 20.0 1 104% 70-130 mg/kg Analys 25.0 1 50.0 1 115% 50-200 mg/kg Analys	0.0250 1 08/01/24 0.0250 1 08/01/24 0.0250 1 08/01/24 0.0250 1 08/01/24 0.0250 1 08/01/24 0.0500 1 08/01/24 0.0250 1 08/01/24 0.0250 1 08/01/24 95.4 % 70-130 08/01/24 mg/kg Analyst: BA 20.0 1 08/01/24 104 % 70-130 08/01/24 mg/kg Analyst: KM 25.0 1 08/01/24 50.0 1 08/01/24 115 % 50-200 08/01/24 mg/kg Analyst: JM	0.0250 1 08/01/24 08/02/24 0.0250 1 08/01/24 08/02/24 0.0250 1 08/01/24 08/02/24 0.0250 1 08/01/24 08/02/24 0.0250 1 08/01/24 08/02/24 0.0500 1 08/01/24 08/02/24 0.0250 1 08/01/24 08/02/24 0.0250 1 08/01/24 08/02/24 95.4 % 70-130 08/01/24 08/02/24 mg/kg Analyst: BA 20.0 1 08/01/24 08/02/24 104 % 70-130 08/01/24 08/02/24 mg/kg Analyst: KM 25.0 1 08/01/24 08/02/24 50.0 1 08/01/24 08/02/24 115 % 50-200 08/01/24 08/02/24 mg/kg Analyst: JM



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH06 - 1' E408001-11

		E400001-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tilalyee	Result	Liiiit	Dilution	Trepared	Zinaryzed	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		109 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2431113
Chloride	267	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH07 - 0' E408001-12

		E408001-12				
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2431109
Benzene	ND	0.125	5	08/01/24	08/02/24	
Ethylbenzene	2.89	0.125	5	08/01/24	08/02/24	
Toluene	2.00	0.125	5	08/01/24	08/02/24	
o-Xylene	6.81	0.125	5	08/01/24	08/02/24	
p,m-Xylene	10.1	0.250	5	08/01/24	08/02/24	
Total Xylenes	16.9	0.125	5	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	242	100	5	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	19600	250	10	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	5910	500	10	08/01/24	08/02/24	
Surrogate: n-Nonane		186 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2431113
Chloride	ND	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH07 - 2'

		E408001-13				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
p-Xylene	ND	0.0250	1	08/01/24	08/02/24	
o,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	167	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	105	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		116 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2431113
Chloride	123	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH07 - 4' E408001-14

		E400001-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Ellilit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		109 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2431113
Chloride	ND	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH08 - 0' E408001-15

		E400001-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2431109
Benzene	ND	0.125	5	08/01/24	08/02/24	
Ethylbenzene	5.98	0.125	5	08/01/24	08/02/24	
Toluene	3.06	0.125	5	08/01/24	08/02/24	
o-Xylene	13.9	0.125	5	08/01/24	08/02/24	
p,m-Xylene	33.6	0.250	5	08/01/24	08/02/24	
Total Xylenes	47.5	0.125	5	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	416	100	5	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	29200	500	20	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	8040	1000	20	08/01/24	08/02/24	
Surrogate: n-Nonane		307 %	50-200	08/01/24	08/02/24	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2431113
Chloride	428	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH08 - 2' E408001-16

		E408001-16				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	523	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	199	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		107 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2431113
Chloride	31.6	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH09 - 0' E408001-17

		E400001-17				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Allaryte	Result	Ellilit	Dilution	i Trepareu	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	313	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	197	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		119 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2431113
Chloride	ND	20.0	1	08/01/24	08/01/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH09 - 1' E408001-18

		£408001-18				
Austra	Result	Reporting Limit	Dilution	Doggan	A a laa d	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		102 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2431113
Chloride	ND	20.0	1	08/01/24	08/02/24	·



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

BH10 - 0' E408001-19

		E400001-19				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anaryc	Result	Ellilit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431109
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2431109
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/01/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2431111
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
Surrogate: n-Nonane		117 %	50-200	08/01/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2431113
Chloride	ND	20.0	1	08/01/24	08/02/24	



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Matrix Spike Dup (2431109-MSD1)

7.00

5.15

4.83

5.08

4.91

9.94

14.9

7.00

QC Summary Data

Grevey Com TB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 8/6/2024 2:51:21PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2431109-BLK1) Prepared: 08/01/24 Analyzed: 08/02/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.99 8.00 87.4 70-130 LCS (2431109-BS1) Prepared: 08/01/24 Analyzed: 08/02/24 4.87 5.00 97.5 70-130 Benzene 0.0250 Ethylbenzene 4.59 0.0250 5.00 91.7 70-130 4.81 0.0250 5.00 96.1 70-130 Toluene o-Xylene 4.66 0.0250 5.00 93.1 70-130 9.43 10.0 94.3 70-130 0.0500 p.m-Xvlene 93.9 70-130 14.1 15.0 Total Xylenes 0.0250 8.00 87.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.01 Matrix Spike (2431109-MS1) Source: E408001-03 Prepared: 08/01/24 Analyzed: 08/02/24 5.27 0.0250 5.00 ND 54-133 Benzene ND 98.3 61-133 Ethylbenzene 4.91 0.0250 5.00 Toluene 5.17 0.0250 5.00 ND 103 61-130 ND 100 63-131 5.00 5.00 0.0250 o-Xylene p,m-Xylene 10.1 0.0500 10.0 ND 101 63-131 15.1 0.0250 15.0 ND 63-131 Total Xylenes

8.00

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2 22

1.63

1.90

1.82

1.47

1.59

Source: E408001-03

96.7

102

98.2

99.4

99.0

87.5

ND

ND

ND

ND

ND

ND

Prepared: 08/01/24 Analyzed: 08/02/24

20

20

20

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Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/6/20242:51:21PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			8.	/6/2024 2:51:21PM
	Non	halogenated	Organics	Analyst: BA					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2431109-BLK1)							Prepared: 0	8/01/24 Ana	lyzed: 08/02/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.33		8.00		104	70-130			
LCS (2431109-BS2)							Prepared: 0	8/01/24 Ana	lyzed: 08/02/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			
Matrix Spike (2431109-MS2)				Source:	E408001-	03	Prepared: 0	8/01/24 Ana	lyzed: 08/02/24
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			
Matrix Spike Dup (2431109-MSD2)				Source:	E408001-	03	Prepared: 0	8/01/24 Ana	lyzed: 08/02/24
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130	2.64	20	

8.00

8.54

107

70-130



QC Summary Data

Matador Resources, LLC.	Project Name:	Grevey Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	-
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2024 2:51:21PM

Danas 1X, 73240		1 Toject Wanage	i. As	sincy Gloveng	30				0/0/2021 2.31.21114
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431111-BLK1)							Prepared: 0	8/01/24 An	alyzed: 08/01/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			
LCS (2431111-BS1)							Prepared: 0	8/01/24 An	alyzed: 08/01/24
Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132			
Surrogate: n-Nonane	58.9		50.0		118	50-200			
Matrix Spike (2431111-MS1)				Source:	E408001-	08	Prepared: 0	8/01/24 An	alyzed: 08/05/24
Diesel Range Organics (C10-C28)	990	25.0	250	670	128	38-132			
Surrogate: n-Nonane	57.1		50.0		114	50-200			
Matrix Spike Dup (2431111-MSD1)				Source:	E408001-	08	Prepared: 0	8/01/24 An	alyzed: 08/01/24
Diesel Range Organics (C10-C28)	975	25.0	250	670	122	38-132	1.48	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number:	23	revey Com TI 003-0002					Reported: 8/6/2024 2:51:21PM
Danias 1A, 75240		Project Manager: Anions		shley Giovens 00.0/9056					Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431113-BLK1)							Prepared: 0	8/01/24 A	nalyzed: 08/01/24
Chloride	ND	20.0							
LCS (2431113-BS1)							Prepared: 0	8/01/24 A	nalyzed: 08/01/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2431113-MS1)				Source:	E408001-	01	Prepared: 0	8/01/24 A	nalyzed: 08/01/24
Chloride	573	40.0	250	362	84.7	80-120			
Matrix Spike Dup (2431113-MSD1)				Source:	E408001-)1	Prepared: 0	8/01/24 A	nalyzed: 08/01/24
Chloride	592	40.0	250	362	92.2	80-120	3.21	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:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/06/24 14:51

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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	te, Zip: Carls				1.	Email: agiovengo@ensolum.co			.	. 1			7.11.0	1,7515						SDWA	CWA	RCRA
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				Sample I	ntori	mation	 .		.—	8	8	. 8€	82	Je 3(-5	ģ	ž					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lal Num		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	MN-JOG58	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	,
9:45	7/30/2024	Soil	1			SS01 - 0'		1							х							
10:14	7/30/2024	Soil	1			SS02 - 0'		2				i			х							
9:50	7/30/2024	Soil	1			SS03 - 0'		3							х							
9:52	7/30/2024	Soil	1		-	SS04 - 0'	j	4							х						,	
10:30	7/30/2024	Soil	1			BH04 - 0'		5							х							
10:33	7/30/2024	Soil	1			BH04 - 1'		6							х							
10:37	7/30/2024	Soil	1			BH05 - 0'		7							х							
10:42	7/30/2024	Soil	1			BH05 - 2'		8							x							
10:47	7/30/2024	Soil	1			BH05 - 4'		9							х							
10:48	7/30/2024	Soil	1			BH06 - 0'		10)						х							
Addition	nal Instructio	nns: Ple	ase CC: ch	urton@enso	lum i	com, agiovengo@ensolum.com, o	·hamilte			ım c	om	iestr	ella <i>l</i>	Dens	olun	COR				·		
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Email: a	<u>giovengo@e</u>	nsolum.c	om			· <u> </u>	, 	712-2	-			8015	015			_				Ì			PWSID#	<u>,e 1</u>	01 1 14
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Addition	al Instructio	ns: Plea	ase CC: cb	urton@e	nsolum	.com, a	agiovengo@ensolum.con	n, char	nilto	n@ens	solu	ım.c	om,	iestr	ella@	ens	olun	n.cor	n	<u> </u>	<u> </u>	<u> </u>	<u> </u>		
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							rrangements are made. Hazaro											e clie	nt exp	pense	The I	report	for the ana	ysis of the	above
samples is	applicable only	to those sa	amples rece	eived by the	laborato	rv with t	his COC. The liability of the lab	oratory	is limi	ited to th	he a	mour	nt paid	d for e	on the	repo	rt.								



Printed: 8/1/2024 11:06:40AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/01/24 08:	:30	V	Work Order ID:	E408001
Phone:	(972) 371-5200	Date Logged In:	08/01/24 08:	:27	I	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	08/07/24 17	:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		Yes			Comment	s/Resolution
Sample T	<u> Turn Around Time (TAT)</u>			[
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		Sampled by	name is mis	ssing in COC by
Sample C	<u>Cooler</u>				client.		
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample (<u>Container</u>	_					
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lal	<u>pel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
	<u>Preservation</u> the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	csciveu:	NA				
	filteration required and/or requested for dissolved m	retals?	No				
		icuis:	110				
	se Sample Matrix	0					
	the sample have more than one phase, i.e., multiphase		No				
27. II yes	, does the COC specify which phase(s) is to be analy	zea?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA S	Subcontract Lab	: NA		
Client II	<u>nstruction</u>						
							2

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E410014

Job Number: 23003-0002

Received: 10/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/7/24

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

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

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

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

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

Date Reported: 10/7/24

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

Project Name: Grevey Com TB

Workorder: E410014

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

Ashley Giovengo,

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

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

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

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

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

Respectfully,

Walter Hinchman

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

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Sample Summary

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/07/24 13:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21 @ 2"	E410014-01A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS20 @ 2"	E410014-02A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS15 @ 2"	E410014-03A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS13 @ 2"	E410014-04A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS14 @ 2"	E410014-05A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS06 @ 2"	E410014-06A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS01 @ 2"	E410014-07A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS10 @ 2"	E410014-08A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS03 @ 2"	E410014-09A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS05 @ 2"	E410014-10A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS02 @ 2"	E410014-11A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS 12 @ 2"	E410014-12A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS09 @ 2"	E410014-13A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS07 @ 2"	E410014-14A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS08 @ 2"	E410014-15A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS26 @ 2"	E410014-16A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS11 @ 2"	E410014-17A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS04 @ 2"	E410014-18A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS24 @ 2"	E410014-19A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS25 @2"	E410014-20A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS21 @ 2" E410014-01

		E410014-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	

Sample Data

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS20 @ 2"

		E410014-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		109 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Chloride

Sample Data

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS15 @ 2"

		E410014-03				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: WF		Batch: 2440086

20.0

ND

10/03/24

10/03/24

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS13 @ 2"

		E410014-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		106 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS14 @ 2"

		E410014-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS06 @ 2" E410014-06

		E410014-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
That ye	resur			•	111111111111111111111111111111111111111	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS01 @ 2"

		E410014-07				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		116 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS10 @ 2"

		E410014-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS03 @ 2"

		E410014-09				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS05 @ 2" E410014-10

		E410014-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS02 @ 2"

		E410014-11				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		106 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS 12 @ 2"

E410014-12						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		109 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS09 @ 2"

		E410014-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		106 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS07 @ 2"

E410014-14							
		Reporting					
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078	
Benzene	ND	0.0250	1	10/03/24	10/05/24		
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24		
Toluene	ND	0.0250	1	10/03/24	10/05/24		
o-Xylene	ND	0.0250	1	10/03/24	10/05/24		
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24		
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24		
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	10/03/24	10/05/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24		
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24		
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/05/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086	
Chloride	ND	20.0	1	10/03/24	10/03/24		



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS08 @ 2"

		E410014-15				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS26 @ 2''

		E410014-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		112 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS11 @ 2"

		E410014-17				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		109 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS04 @ 2"

		E410014-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		115 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS24 @ 2" E410014-19

		E410014-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		105 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

FS25 @2"

		E410014-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		109 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



		•	
Matador Resources, LLC.	Project Name:	Grevey Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 1:54:41PM

Dallas TX, 75240		Project Manager:		shley Gioveng	jo			10	7/2024 1:54:41PM
		Volatile O	rganics l	by EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440078-BLK1)							Prepared: 10	0/03/24 Anal	yzed: 10/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.3	70-130			
LCS (2440078-BS1)							Prepared: 10	0/03/24 Anal	yzed: 10/04/24
Benzene	4.86	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.78	0.0250	5.00		95.6	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.53	0.0500	10.0		95.3	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			
Matrix Spike (2440078-MS1)				Source:	E410014-	12	Prepared: 10	0/03/24 Anal	yzed: 10/04/24
Benzene	5.50	0.0250	5.00	ND	110	54-133			
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133			
Toluene	5.42	0.0250	5.00	ND	108	61-130			
o-Xylene	5.29	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			
Matrix Spike Dup (2440078-MSD1)				Source:	E410014-	12	Prepared: 10	0/03/24 Anal	yzed: 10/04/24
Benzene	5.22	0.0250	5.00	ND	104	54-133	5.20	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	4.71	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	4.99	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	4.67	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	4.56	20	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	4.60	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/7/2024 1:54:41PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			10/	7/2024 1:54:41PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2440078-BLK1)							Prepared: 1	0/03/24 Analy	yzed: 10/04/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		96.9	70-130			
LCS (2440078-BS2)							Prepared: 1	0/03/24 Analy	yzed: 10/04/24
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			
Matrix Spike (2440078-MS2)				Source:	E410014-	12	Prepared: 1	0/03/24 Analy	yzed: 10/04/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			
Matrix Spike Dup (2440078-MSD2)				Source:	E410014-	12	Prepared: 1	0/03/24 Analy	yzed: 10/04/24
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.3	70-130	0.190	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/7/2024 1:54:41PM

Dullus 171, 732 10		r roject ivianage.		iney Groveng	,,					
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO		Analyst: NV		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2440068-BLK1)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	55.8		50.0		112	50-200				
LCS (2440068-BS1)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24	
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132				
Surrogate: n-Nonane	58.7		50.0		117	50-200				
Matrix Spike (2440068-MS1)				Source:	E410014-	04	Prepared: 1	0/03/24 Anal	yzed: 10/04/24	
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132				
Surrogate: n-Nonane	54.6		50.0		109	50-200				
Matrix Spike Dup (2440068-MSD1)				Source:	E410014-	04	Prepared: 1	0/03/24 Anal	yzed: 10/04/24	
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	6.80	20		
Surrogate: n-Nonane	51.9		50.0		104	50-200				

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manage	: 2	Grevey Com TE 3003-0002 Ashley Gioveng					Reported: 10/7/2024 1:54:41PM			
	Analyst: WF											
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes			

Blank (2440086-BLK1)							Prepared: 10	0/03/24	Analyzed: 10/03/24
Chloride	ND	20.0							
LCS (2440086-BS1)							Prepared: 10	0/03/24	Analyzed: 10/03/24
Chloride	251	20.0	250		101	90-110			
Source: E4						07	Prepared: 10	0/03/24	Analyzed: 10/03/24
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2440086-MSD1)				Source:	E410014-	07	Prepared: 10	0/03/24	Analyzed: 10/03/24
Chloride	252	20.0	250	ND	101	80-120	0.315	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:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/07/24 13:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



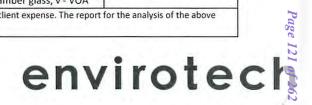
Client Informa	Invoice Information		Lab Use Only							TAT State					9			
Client: Matador Production Con	mpany		Company: Ensolum LLC		La	ab W	/O#		Job	Num	ber		1D	2D	3D Sto	MM I	CO UT	TX
Project: Grevey Com TB			Address: 3122 National Parks	Hwy	E	411	100	4	23	003	-00	202			×	x		
Project Manager: Ashley Giover	ngo		City, State, Zip: Carlsbad NM, S	38220														
Address: 3122 National Parks H	lwy		Phone: 575-988-0055						Ana	lysis	and	Met	hod			EF	A Progra	m
City, State, Zip: Carlsbad NM, 88	City, State, Zip: Carlsbad NM, 88220 Email: agiovengo@ensolur															SDWA	CWA	RCRA
Phone: 575-988-0055	Miscellaneous:																	
Email: agiovengo@ensolum.cor	m						20 1	9								Complian	ce Y	or N
							8015	1 80	1	0.	_	×	S			PWSID#		
		Sample Info	rmation				00 o	802	8260	e 300	N.	T- 50	Met					
Time Date Sampled Matrix	No. of Containers		Sample ID	Field	Lab Numb	er	DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	
1341 10-1-24 50:1	1	F521	Q 2"		1						X							
1332/0-1-2450:1	1	F520/	2 7"		2						X							
1344 10-1-24 501	1	FS15 (0 2"		3						X							
1115 10-1-245011	1	FS 13 (@ z"		4						X							
1314 10-1-24 Soil	1	FS 146	2"		5						X							
1254 10-1-24 Soil	1	F5 06 6	2"		6	,					X							
1057 10-1-24 5011		F501 (2 7"		7						X							
1114 10 + 24 5011	1	F510@	. Z h		8						X							
1103 10-1-24 5011	1	F503(0	2"		9						X							
1111 10-1-24 Soil	1	FS OS (10						X							
Additional Instructions: Pleas	se CC: cbu	ırton@ensolum	.com, agiovengo@ensolum.com,	iestrella	@ensol	lum.	com,	bdeal	@ens	olun	ı.con	n, ch	amilt	ton@	ensolu	m.com,		
bsimmons@ensolum.com	74 1000 401 V			rows were						- A CT	1.00	1.						
	uthenticity o	f this sample. I am av	vare that tampering with or intentionally misla	beling the sa	mple local	tion, d	late or I	time of c	ollectio	n is cor	isidere	dtrau	a and r	may be	grounds to	or legal action.		
Sampled by:Brandon Deal	Inste	Time 1	Received by: (Signature)	Date		Īτ	imei	./ 1	Ø	-	Sample	es requi	iring the	ermal o	reservation	nust be received	on ice the da	v they are
Relinquished by: (Signature)	10/0	2/2024 14	(I) The state of t	- 1	0.2:	24	1	1110	1		400.000					vg temp above (
Relingdished by; (Signature)	Date	Vime	Received by: (Signature)	Date		Ti	ime		4		subsec	ment da	avs		Labl	Jse Only		
(VI)	10	1.2.29 15	15/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	10	-2-8	4	17	200	2		Rece	eived	on i	ce:	(N/			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date		Ti	ime		1			E 34 (E 5		7-7	0.			
Min	6.	2-24 20:9	6 Keylin & Hells	10-	3.20	10	250	10			T1				T2	-	T3	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date		-	ime				AVG	Ten	2° an	4				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge	ge, A - Aqueo	us, O - Other		Con	tainer T	ype:	g - gla	ass, p -	poly/	plasti					- VOA			
Note: Samples are discarded 14 days a	fter results	are reported unles	s other arrangements are made. Hazardo									e clier	nt expe	ense.	The repor	t for the ana	lysis of the	above
samples is applicable only to those san	mples receiv	ved by the laborato	ry with this COC. The liability of the labor	ratory is lim	nited to th	he am	nount p	oaid for	on the	repoi	t.							





	Clie	nt Inforn	nation	-	Invoice Information Lab Use O						e Or	Only TAT							State				
Client: N	latador Proc	duction C	ompany		Company: Ensolum LLC		La	b WO	#		Job	Num	ber		1D	2D	3D St	d	NM CC	TUIC	TX		
	Grevey Com				Address: 3122 National Parks	Hwy			1014		23	003	-000	202 x					x				
roject N	lanager: As	hley Giov	engo		City, State, Zip: Carlsbad NM,	88220																	
Address:	3122 Natio	nal Parks	Hwy		Phone: 575-988-0055		_				Ana	lysis	and N	Иetl	hod				EPA I	Prograi	m		
City, State	e, Zip: Carls	bad NM,	88220		Email: agiovengo@ensolum	.com												SD	WA C	CWA	RCRA		
	75-988-005				Miscellaneous:			8	1											,			
mail: ag	giovengo@e	nsolum.c	om					215	8015									10000	pliance	Y	or N		
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- 1				Sample Int	formation	h 4	Lah	980	DRO	by 80	y 82	de 3	C- N	5001	8 Me				Po	marks			
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Ne	illalks			
1101	10-1-24	Soil	1	FSOZ	@ 2"		11						χ										
75-2-7	10-1-24		1	FS 12	@ 2"		12						Х										
J. Carl	10-1-24		1	F5 09	@2"		13						X										
1316	10-1-24	Soil	1	F507	@ 2"		14						X										
1/11	10-1-24	Soil		F5 08	@ 2"		15						X										
1339	10-1-24	Soil	1	F526	@ 7"		16						X										
1113	10-1-24	Soil	1	FS 11	@ 2"		17	_					Х										
1306	10-1-24	Soil	1	F5 04	@ 2"		18						X										
1324	10-1-24	Soil		F5 24	@ 2"		19						*										
1325	10-124	50.1	1	F525	(2 2"		20)					X			-1							
Addition	al Instructions@ensolun		ase CC: c	burton@ensolu	m.com, agiovengo@ensolum.com	, iestrella@	ensolu	ım.cc	om, bo	deal@	ens	olum	.com	, cha	amilt	on@	ensolu	ım.cor	n,				
	oler), attest to the		d authenticit	ty of this sample. I am	aware that tampering with or intentionally miss	abeling the sam	ple locati	on, dat	e or tim	e of co	llectio	n is cor	sidered	frauc	d and r	nay be	grounds f	for legal	action.				
	ed by: (Signatu	re)	Date	102/2024 Time	Received by: (Signature)	Date 10	2.2	4 Tim	14	100)			or rec	ceived p				received on io above 0 but	concess.	1000		
Relinquish	ed by: (Signatu		Pate	1-224 1	S Received by: (Signature)	Date (d)	224	Time	20	7			Recei			e:	Lab (Use Or N	nly				
4/10	ed by: (Signatu		Date	1-1-24 20.	Received by (Signature)	Date Is-	3.20		50	O			<u>T1</u>			_ :	Г2		<u>T3</u>				
Kelinquish	ed by: (Signatu	irė)	Date	e Time	Received by: (Signature)	Date		Tim	C				AVG	Tem	p°C	4							
Sample Mat	rix: S - Soil, Sd - S	Solid. Sg - Slu	dge, A - Aau	ieous. O - Other		Cont	ainer Ty	/pe: g	- glass	, p - p	ooly/i					iss, v	- VOA						





Printed: 10/3/2024 9:45:56AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/03/24	05:00	Work Order ID:	E410014
Phone:	(972) 371-5200	Date Logged In:	10/02/24	14:45	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/09/24	17:00 (4 day TAT)	,	
	f Custody (COC)					
	the sample ID match the COC?	ah sha COC	Yes			
	the number of samples per sampling site location materials	en the COC	Yes			
	samples dropped off by client or carrier?	4-410	Yes Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?				
5. were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		<u>Comment</u>	s/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	1	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	•					
	e field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pro-	eserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved m	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator	y?	No			
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab: NA		
Client I	nstruction .					
<u>Chent i</u>	move weekeld.					
						N. T

Page 33 of 33

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E410014

Job Number: 23003-0002

Received: 10/3/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/7/24

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

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

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

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

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

Date Reported: 10/7/24

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

Project Name: Grevey Com TB

Workorder: E410014

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

Ashley Giovengo,

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

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/07/24 16:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21 @ 0.5'	E410014-01A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS20 @ 0.5'	E410014-02A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS15 @ 0.5'	E410014-03A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS13 @ 0.5'	E410014-04A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS14 @ 0.5'	E410014-05A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS06 @ 0.5'	E410014-06A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS01 @ 0.5'	E410014-07A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS10 @ 0.5'	E410014-08A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS03 @ 0.5'	E410014-09A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS05 @ 0.5'	E410014-10A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS02 @ 0.5'	E410014-11A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS 12 @ 0.5'	E410014-12A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS09 @ 0.5'	E410014-13A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS07 @ 0.5'	E410014-14A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS08 @ 0.5'	E410014-15A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS26 @ 0.5'	E410014-16A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS11 @ 0.5'	E410014-17A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS04 @ 0.5'	E410014-18A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS24 @ 0.5'	E410014-19A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
FS25 @ 0.5'	E410014-20A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS21 @ 0.5' E410014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS20 @ 0.5' E410014-02

		L-11001-1-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
p-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		109 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS15 @ 0.5' E410014-03

		E-10017-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS13 @ 0.5'

		E410014-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		106 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS14 @ 0.5' E410014-05

		E410014-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS06 @ 0.5' E410014-06

		E410014-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
					,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anai	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/04/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS01 @ 0.5'

		E410014-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		116 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS10 @ 0.5'

		E410014-08				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS03 @ 0.5'

		E410014-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS05 @ 0.5'

		E410014-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS02 @ 0.5'

		E410014-11				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		106 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS 12 @ 0.5'

		E410014-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/04/24	
Toluene	ND	0.0250	1	10/03/24	10/04/24	
o-Xylene	ND	0.0250	1	10/03/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	10/03/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		109 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
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Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS09 @ 0.5'

		E410014-13				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		106 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS07 @ 0.5'

		E410014-14				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		108 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS08 @ 0.5'

		E410014-15				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		110 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS26 @ 0.5' E410014-16

	E410014-16				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2440078
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0500	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
	102 %	70-130	10/03/24	10/05/24	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2440078
ND	20.0	1	10/03/24	10/05/24	
	94.6 %	70-130	10/03/24	10/05/24	
mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2440068
ND	25.0	1	10/03/24	10/05/24	
ND	50.0	1	10/03/24	10/05/24	
	112 %	50-200	10/03/24	10/05/24	
mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2440086
ND	20.0	1	10/03/24	10/03/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO2 % mg/kg mg/kg mg/kg ND 20.0 94.6 % mg/kg ND 25.0 ND 50.0 I12 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Ana ND 20.0 1 Mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 II2 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 10/03/24 ND 0.0250 1 10/03/24 ND 0.0250 1 10/03/24 ND 0.0250 1 10/03/24 ND 0.0500 1 10/03/24 ND 0.0250 1 10/03/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/03/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/03/24 ND 25.0 1 10/03/24 ND 50.0 1 10/03/24 ND 50.0 1 10/03/24 Mg/kg mg/kg Analyst: WF	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 ND 0.0500 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/03/24 10/05/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/03/24 10/05/24 ND 25.0 1 10/03/24 10/05/24 ND 50.0 1 10/03/24 10/05/24 ND 50.0 1 10/03/24 10/05/24 ND 50.0 1 10/03/24



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS11 @ 0.5'

E410014-17						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
o-Xylene	ND	0.0250	1	10/03/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		109 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS04 @ 0.5' E410014-18

		L-11001-1-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	vst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
oluene	ND	0.0250	1	10/03/24	10/05/24	
-Xylene	ND	0.0250	1	10/03/24	10/05/24	
,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
urrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	10/03/24	10/05/24	
Jonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2440068
viesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		115 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS24 @ 0.5' E410014-19

		L-11001-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	yst: BA		Batch: 2440078
Benzene	ND	0.0250	1	10/03/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/03/24	10/05/24	
Toluene	ND	0.0250	1	10/03/24	10/05/24	
-Xylene	ND	0.0250	1	10/03/24	10/05/24	
o,m-Xylene	ND	0.0500	1	10/03/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/03/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2440078
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/24	10/05/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	10/03/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2440068
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/24	10/05/24	
Surrogate: n-Nonane		105 %	50-200	10/03/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2440086
Chloride	ND	20.0	1	10/03/24	10/03/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

FS25 @ 0.5' E410014-20

	E-11001-1-20				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2440078
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
ND	0.0500	1	10/03/24	10/05/24	
ND	0.0250	1	10/03/24	10/05/24	
	101 %	70-130	10/03/24	10/05/24	
mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2440078
ND	20.0	1	10/03/24	10/05/24	
	95.0 %	70-130	10/03/24	10/05/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2440068
ND	25.0	1	10/03/24	10/05/24	
ND	50.0	1	10/03/24	10/05/24	
	109 %	50-200	10/03/24	10/05/24	
mg/kg	mg/kg	Ana	lyst: WF		Batch: 2440086
ND	20.0	1	10/03/24	10/03/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 20.0 95.0 % mg/kg MD 25.0 ND 50.0 I09 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 70-130 1 MD 20.0 1 Mg/kg mg/kg Ana ND 25.0 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 109 % 50-200 mg/kg Mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 10/03/24 ND 0.0250 1 10/03/24 ND 0.0250 1 10/03/24 ND 0.0500 1 10/03/24 ND 0.0250 1 10/03/24 ND 0.0250 1 10/03/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/03/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/03/24 ND 25.0 1 10/03/24 ND 50.0 1 10/03/24 ND 50.0 1 10/03/24 ND 50.0 1 10/03/24 Mg/kg mg/kg Analyst: WF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 ND 0.0500 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 ND 0.0250 1 10/03/24 10/05/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/03/24 10/05/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/03/24 10/05/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/03/24 10/05/24 ND 50.0 1 10/03/24 10/05/24 ND 50.0 1 10/03/24 10/05/24 ND 50.0 <



Matador Resources, LLC.	Project Name:	Grevey Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	1
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM
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Dallas TX, 75240		Project Number: Project Manager:		3003-0002 shley Giovengo	,			1	0/7/2024 4:00:21PM
		Volatile Or	ganics l	by EPA 8021	В				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440078-BLK1)							Prepared: 10	0/03/24 An	alyzed: 10/04/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.3	70-130			
LCS (2440078-BS1)							Prepared: 10	0/03/24 An	alyzed: 10/04/24
Benzene	4.86	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.78	0.0250	5.00		95.6	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.53	0.0500	10.0		95.3	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			
Matrix Spike (2440078-MS1)				Source: E	2410014-	12	Prepared: 10	0/03/24 An	alyzed: 10/04/24
Benzene	5.50	0.0250	5.00	ND	110	54-133			
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133			
Toluene	5.42	0.0250	5.00	ND	108	61-130			
o-Xylene	5.29	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			
Matrix Spike Dup (2440078-MSD1)				Source: E	2410014-	12	Prepared: 10	0/03/24 An	alyzed: 10/04/24
Benzene	5.22	0.0250	5.00	ND	104	54-133	5.20	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	4.71	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	4.99	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	4.67	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	4.56	20	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	4.60	20	
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/7/2024 4:00:21PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			10	/7/2024 4:00:21PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2440078-BLK1)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		96.9	70-130					
LCS (2440078-BS2)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24		
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130					
Matrix Spike (2440078-MS2)				Source:	E410014-	12	Prepared: 1	0/03/24 Anal	yzed: 10/04/24		
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130					
Matrix Spike Dup (2440078-MSD2)				Source:	E410014-	12	Prepared: 1	0/03/24 Anal	yzed: 10/04/24		
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.3	70-130	0.190	20			

8.00

7.94

99.3

70-130



Matador Resources, LLC.	Project Name:	Grevey Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2024 4:00:21PM

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	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2440068-BLK1)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	55.8		50.0		112	50-200				
LCS (2440068-BS1)							Prepared: 1	0/03/24 Anal	yzed: 10/04/24	
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132				
Surrogate: n-Nonane	58.7		50.0		117	50-200				
Matrix Spike (2440068-MS1)				Source:	Source: E410014-04			Prepared: 10/03/24 Analyzed: 10/04/24		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132				
Surrogate: n-Nonane	54.6		50.0		109	50-200				
Matrix Spike Dup (2440068-MSD1)				Source:	E410014-	04	Prepared: 1	0/03/24 Anal	yzed: 10/04/24	
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	6.80	20		
Surrogate: n-Nonane	51.9		50.0		104	50-200				



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002			Reported: 10/7/2024 4:00:21PM					
	300.0/9056A	1				Analyst: WF			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440086-BLK1)							Prepared: 10)/03/24 An	alyzed: 10/03/24
Chloride	ND	20.0							
LCS (2440086-BS1)							Prepared: 10	0/03/24 An	alyzed: 10/03/24
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2440086-MS1)				Source:	E410014-0	7	Prepared: 10	0/03/24 An	alyzed: 10/03/24
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2440086-MSD1)				Source:	E410014-0	7	Prepared: 10	0/03/24 An	alyzed: 10/03/24
Chloride	252	20.0	250	ND	101	80-120	0.315	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:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/07/24 16:00

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



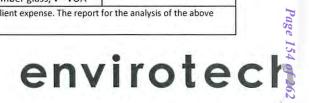
Client Information	Invoice Information				La	b Us	e On	ly				TA	T	State
Client: Matador Production Company	Company: Ensolum LLC		Lab	WO#	1		Job	Num	ber		1D	2D	3D Std	NM CO UT TX
Project: Grevey Com TB	Address: 3122 National Parks Hwy		E4	loc	14		23	003	-00	202			x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 8822	0												
Address: 3122 National Parks Hwy	Phone: 575-988-0055						Ana	lysis	and	Met	hod			EPA Program
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com													SDWA CWA RCRA
Phone: 575-988-0055	Miscellaneous:		1											
Email: agiovengo@ensolum.com				ın.	2									Compliance Y or N
			_	8015	801			0			<u>v</u>			PWSID#
Samp	le Information			O by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			
Time Date Sampled Matrix No. of	Sample ID	Field Filter nN n	ab	90/0	o/DF	X by	Cby	oride	200	Q 100	3A 8			Remarks
Sampled Date Sampled Wattrix Containers		正 团 Nu	mber	DRG	GR	BTE	0	S.	BG	TCE	P.C.			
1341 10-1-24 50:1 1 FS	21 @ 2"		l						Χ					
1332/0-1-2450il 1 FSZ	20@ 7"		2						Х					
1344 10-1-24 Soil 1 FS1	15 @ 2"		3						X					
1115 10-1-24 Soil 1 FS 1	13@2"	t	1						χ					
1314 10-1-24 Soil 1 FS 19	46 2"	2	5						X					
1254 10-1-24 Soil 1 FS 0	6 @ Z"	(9						X					
1057 10-1-24 Soil 1 FSO	102"		7						X					
	Q 2"	1	8						X					
1103 10-1-24 Soil 1 FSO	36 2"	(7						X					
1111 10-1-24 Soil 1 FS C	os @ 2"	1	0						X					
Additional Instructions: Please CC: cburton@er	nsolum.com, agiovengo@ensolum.com, iestr	rella@en	solun	n.coi	n, bo	leal(ens	olum	.con	n, ch	amilt	ton@	ensolun	n.com,
bsimmons@ensolum.com														1 2 2
I, (field sampler), attest to the validity and authenticity of this sample	e. I am aware that tampering with or intentionally mislabeling	the sample	location	, date	or time	e of co	llectio	n is cor	sidere	d frau	d and r	may be	grounds fo	r legal action.
Sampled by:Brandon Deal					,									
Relinquished by: (Signature) Date 10/02/2014	Time 2 Received by: (Signature)	Date	2.20	Time	4	00			sample		ceived p			ust be received on ice the day they are og temp above 0 but less than 6 °C on
Relinguished by; (Signature)	Received by: (Signature)	Date 10-2	-24	Time	7:0	7			Rece	eived	on i	ce:	Lab U	se Only
Relinquished by: (Signature) Date 7 2-24	Time Received by: (Signature)	Date /0-3-1	zu	Time	500	5			T1				T2	Т3
	Time Received by: (Signature)	Date		Time					AVG	Ton	np °C	(1		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Contain	er Typ	e; g -	glass	, p - I	ooly/i	olasti					- VOA	
Note: Samples are discarded 14 days after results are reported														for the analysis of the above
samples is applicable only to those samples received by the											actes (FS)	- Jacob 27 16		A STATE OF THE PARTY OF THE PAR





	Clie	nt Inform	nation		Invoice Infor	mation			La	ab Us	e On	ly				TAT			State	T
Client: M	atador Proc	luction C	ompany		Company: Ensolum LLC			ab WO			Job I				1D	2D 3D 3	Std	NM C	OUT	TX
Project: (Grevey Com	TB			Address: 3122 National	Parks Hwy		E410	014		230	303	-000	12)	<	x		
	anager: As				City, State, Zip: Carlsbad	NM, 88220														
	3122 Natio				Phone: 575-988-0055		_				Ana	lysis	and I	∕ leth	nod				Program	
	, Zip: Carls		88220		Email: agiovengo@ens	olum.com	_										5	SDWA	CWA	RCRA
	75-988-005		282		Miscellaneous:				/ 4				1			1.3		· malianas	ΙΥ	or N
Email: ag	iovengo@e	nsolum.c	om					3015	3015	-								wsiD#	11	or N
	_			Sample In	formation			per ORO/ORO by 8015	GRO/DRO by 8015	3021	260	Chloride 300.0	Σ	X1-0	RCRA 8 Metals			W31D#	-	
Time		1.00	No. of	T Sample III		0	Lab	/ORC	/DRC	ВТЕХ by 802.	VOC by 8260	ride	BGDOC - NM	TCEQ 1005 - TX	A 8 N			R	emarks	
Sampled	Date Sampled	Matrix	Containers		Sample ID	F Fe	Lab Numb	ber 8	GRO	BTE)	Voc	Chlo	BGD	TCEO	RCR					
11.01			1	r1.2	@ 311		1	1					X							
1101	10-1-24	Soil		F502	04		1	1					^							
1300	10-1-24	Soil	1	FS 12	@ 711		17)		1			X							
100	10-127	20.1	V	1 - 10	0-11		1.0		\vdash					+					_	
1257	10-1-24	Soil	1	F5 09	62"		13	3					X							
		1340	1		0-11		V	1					1/							
1316	10-1-24	5011	1	F507	@ 2"		10	1					X							
1111	10 100	0:		F5 08	@ 2"		13	-					X							
1/11	10-1-24	2011		1 20 20			1-)		-				+	-	-1-1	-			
1339	10-1-24	Soil	1	F5 26	(C) 2"		16	0					X							
(m. +11 + 2 + 1)			,	P				1					V	\exists						
1113	10-1-24	Soil	1	FS 11	@ 2"		1	1					X							
1701		C .	1	F5 04	@ 2"		15	8					X							
	10-1-24	Soil	0.0	F5 04	000		1 (0					-	-	_					
1324	10-1-24	Soil	1	F5 24	(O, 2"		10	1				1.44	X							
			1		Ø 2"									+	_		+			
1325	10-124	500	1	F525	@ 2"		20	0					X							
	al Instructio	ns: Ple	ase CC: c	:burton@ensolu	m.com, agiovengo@ensolum	.com, iestrella	@enso	olum.co	m, bo	deal@	ens	olum	.com	, cha	milt	on@enso	lum.c	om,		
bsimmor	s@ensolun	n.com		1200 1200					-									100		
		e validity and	d authenticit	ty of this sample. I am	aware that tampering with or intentiona	lly mislabeling the s	ample loc	ation, date	or tim	e of co	llection	is cor	sidered	fraud	d and n	nay be ground	ds for leg	gal action.		
	Brandon Deal ed by: (Signatu	re)	Date	e Time	Received by: (Signature)	Date	e	Time		(2.	-	- 37	Samples	requir	ing the	rmal preservati	ion must l	be received on	ice the day t	they are
M		,	10/	102/2024 Time	100 / 100	1ª 1	12:	24 Time	14	101			A			acked in ice at	an avg te	mp above 0 bu	it less than 6	°C on
	d by: (Signatu	re)	Paty		Received by: (Signature)	Date		Time	1				subseau	ent da	VC	Lal	b Use	Only		
W	9		16	1-224 1	15 Mullin	- 60	122	4 0	10	7			Recei	ved	on id	e: 🕜	/ N			
Relinquish	d by: (Signatu	re)	Date	e Time	Received by (Signature)	1 1 M//		Time		-										
1/100	Ull-		60	1-1-14 160.	40 maylyn /		3.3.2	C.47.A	50	U			T1			<u>T2</u>		<u>T</u>	3	
Belinquishe	ed by: (Signatu	re)	Date	e Time	Received by: (Signature)	Date	e	Time					AVG	Ton	200	U				
	ix: S - Soil, Sd - S	-1:4 c- c:	d== 1 1		The state of the s	Co	ntolnor	Type: g	alace	n r	oly/r					iss, v - VOA				





Printed: 10/3/2024 9:45:56AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/03/24	05:00	Work Order ID:	E410014
Phone:	(972) 371-5200	Date Logged In:	10/02/24	14:45	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/09/24	17:00 (4 day TAT)	,	
	f Custody (COC)					
	the sample ID match the COC?	ah sha COC	Yes			
	the number of samples per sampling site location materials	en the COC	Yes			
	samples dropped off by client or carrier?	4-410	Yes Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?				
5. were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		<u>Comment</u>	s/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	1	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	•					
	e field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pro-	eserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved m	etals'?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator	y?	No			
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab: NA		
Client I	nstruction .					
<u>Chent i</u>	move weekeld.					
						N. T

Date

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

envirotech Inc.

	Chain of Cu	ustody	,										Page	Received by OCD: 11/7/2024 11:32:15 AM 5
Client Information	Invoice Information				Lab (Jse On	ily	-	T		ГАТ		State	red
Client: Matador Production Company	Company: Ensolum LLC		Lab V			of the control of	Numb			D 20	3D Std		NM CO UT TX	by
Project: Grevey Com TB	Address: 3122 National Parks Hwy		E41	1001	4_	23	003	000	2		x		x	00
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055		Г			Ana	lysis	and A	Aeth	nd			EPA Program	D.
Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com		1	T	1	1	19313	110				SE	OWA CWA RCRA	
	Miscellaneous:													2
mail: agiovengo@ensolum.com				15 15	9					5.0		Cor	npliance Y or N	202
				30 8015		0	0.0	Σ	×	tals		PW	/SID #	4
Sample Inform				SRO L	N 80	y 826	de 30	C-NM	- 500	8 Me			Domarks	1.
Time Sampled Date Sampled Matrix No. of Containers	Sample ID	Filter	ab mber	DRO/ORO	BTEX by 802	VOC by 8260	Chloride 300.0	BGDOC-1	TCEQ 1005 - TO	RCRA 8 Metals			Remarks	32:1
1341 10-1-24 50:1 1 F521	Q 2" 0.5'	1						X				N	ame changes	5 AM
1332/0-1-2450il 1 FS 20 CO	2" 0.5'		2					X				0	er C. Burton	- 12/14
1344 10-1-24 Soil 1 FS15 (c	24 0.5	-	3					X				10	17/14-RAS	
1115 10-1-24 Soil 1 FS 13 (6	2 0.5'	L	1					X						
1314 10-1-24 Soil FS 14@	24 0.5'	Z	5					X						ω
1254 10-1-24 Soil 1 FS 06 @	2" 0.5'	(0					Y						of 38
1057 10-1-24 Soil FSOI @	2" 0.5'		7					X						Page 34 of 35
1114 10724 Soil 1 FS10@	2" 0.5"	1	3					X						Pag
1103 10-1-24 Soil 1 F503(0)	zn 0.51	(7					X						
	2 24 0.5'	1	0					X						
Additional Instructions: Please CC: cburton@ensolum.c		ella@en	solum	.com,	bdea	il@ens	solum	.com	, cha	milto	@ensolun	n.co	om,	
bsimmons@ensolum.com														
I, (field sampler), attest to the validity and authenticity of this sample. I am awa	re that tampering with or intentionally mislabeling th	he sample l	location,	date or	time of	collectio	n is con	sidered	fraud	and ma	be grounds fo	rlega	al action.	8
Sampled by:Brandon Deal	Received by: (Signature)	Date		Timei ,	1.1	M		Samples	requiri	ng therm	al preservation m	iust be	e received on ice the day they are	
Police 10/02/2014 141	1) Table	100	1.24	1/	11)			sampled			ed in ice at an av	vg tem	np above 0 but less than 6 °C on	
Relinguished by; (Signature)	, Received by: (Signature)	Date	-	Time				Sunseau	ent day		Lab U	se C	Only	
C/1 10.2.415	Selfallle	10-2	-24	17	19mil	7	1	Rece	ived	on ice	: 311	٧		
Relinquished by: (Signature) Date Time	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date	211	Time	(10						70		TO	
10.2-24 20:40		0-3-1 Date	24	OS (JU		4	<u>T1</u>		_	<u>T2</u>	+	<u>T3</u>	S V
Refinquished by: (Signature)	Received by: (Signature)	Date		, iiiie			- 3	AVG	Tem	o°C	4			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other							plastic	, ag -	amb	er glas	, v - VOA			
Note: Samples are discarded 14 days after results are reported unless	other arrangements are made. Hazardous same	ples will I	be retur	ned to	client o	or dispo	sed of	at the	client	expens	e. The report	for	the analysis of the above	Pa



enviroteche environate e

						Chain of	Cust	ody																rage	
	Clie	nt Inform	ation			Invoice Information					Lal	b Us	e On	ly				TA	AT				Stat	9	
Client: N	Matador Proc	duction Co	ompany		Company: E	Ensolum LLC		[ab W	VO#			Job I				1D	2D	3D	Std		NM C	OUT	TX	
	Grevey Com				Address: 31	22 National Parks Hwy	1		EHI	100	14		230	003	-00	DZ				X		X			
Project N	Manager: As	hley Giov	engo		City, State, Z	ip: Carlsbad NM, 882	20																		
Address:	3122 Natio	nal Parks	Hwy		Phone: 575	5-988-0055							Ana	lysis	and	Met	hod					EPA	Progra	m	
City, Stat	e, Zip: Carls	bad NM,	88220		Email: agid	ovengo@ensolum.com	1														SDV	NA	CWA	RCF	łA
Phone:	575-988-005	5			Miscellaneou	is:																			
Email: a	giovengo@e	nsolum.c	om							13	15										Com	oliance	Y	or	N
										y 80	ν 80	1	0	0.0	5	×	ta is				PWS	ID#			
				Sample I	Information					RO b	RO b	, 8021	826	e 300.0	- NM	0.4	Metals								
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample II		Field	Lal Num		DRO/ORO by 8015	GRO/DRO by 8015	втех by	VOC by 8260	Chloride	варос	TCEQ 1005	RCRA 8 1					R	emarks	8	
1101	10-1-24	Soil	1	F502	03	# D.S'		1	1						X										
	10-1-24	Soil	1	FS 1:	2021	0.5'		1	2						X									40	
1257	10-1-24	Soil	1	F5 0	9 021	0.5		1-	3						X										
1316	10-1-24	Soil	1	F507	@ 2"	0.5		10	+						X										
1/11	10-1-24	Soil		FS 08	@2"	0.5'		12	5						X										
1339	10-1-24	Soil	1	F526	@ 2x	0.5		10	0						X										
1113	10-1-24	Soil	1	FS 11	@ 2x	0:2,		1	1						X										
1306	10-1-24	Soil	1	F5 04	1624	0.5'		1	8						X										
1324	10-1-24	Soil	1	F5 24		0.5'		10	7						×										
1329	10-124	Soil	1	F525	@ 2K	0.5'		2	0						×										
Additio	nal Instruction	ons: Ple	ase CC: cb	ourton@enso	olum.com, agioven	go@ensolum.com, ies	trella	@ens	olum	n.cor	n, bd	eal@	Dens	olun	n.cor	n, ch	ami	lton@	@ens	olun	n.con	١,			
bsimmo	ns@ensolur	m.com				N 111 P			- 11					4		14	ed and	Common Bridge		- de Co	- In and In	a at times	-	-	
			dauthenticity	of this sample. I	am aware that tampering	with or intentionally mislabelin	g the sa	mple los	cation,	date	or time	01 00	nectio	i is coi	nsider	eunac	au anu	may b	e grou	itus ioi	icgai e	iction.			
	y:Brandon Dea		Date	Tim	el (no lecolul	by: (Signature)	Date		-	Time		(2	_	-	Sampl	les requ	iring th	nermal p	preserva	tion m	ust be r	eceived o	n ice the d	y they an	ė.
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Relinquist	ned by: (Signatu	ire)	Pate	Tim	Received	by: (Signature)	bate		1	Time	-				Sunst	III CILL			Li	ab U	se Or	ly			
d	7		10	1-724	19 15	Wille-	Date	12.2	24	Time	10	7			Rec	eived	d on	ice:	Q)/1	ı				
Kelineruis	ned by: (Signatu	ure)	Date	-1-24 20	1:46 Registed	by (Signature)	10	.3.	24	0	50	0			<u>T1</u>				<u>T2</u>			_ 1	3		_
Relinquis	ned by: (Signatu	ure)	Date	Tim	e Received	by: (Signature)	Date			Time						3 Ten			1						
Sample Ma	trix: S - Soil, Sd -	Solid, Sg - Slu	idge, A - Aque	eous, O - Other			Con	ntainer	Type	e: g -	glass	p - 1	ooly/	olasti	c, ag	- am	berg	lass,	v - VC	A			1		

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E410035

Job Number: 23003-0002

Received: 10/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/9/24

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

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

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

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

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

Date Reported: 10/9/24

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

Project Name: Grevey Com TB

Workorder: E410035

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

Ashley Giovengo,

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

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

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

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

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

Respectfully,

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Sample Summary

Matador Resources, LLC.	Project Name:	Grevey Com TB	Donoutod.
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/24 14:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS33 @ 0.5'	E410035-01A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS28 @ 1"	E410035-02A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS23 @ 0.5'	E410035-03A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS32 @ 0.5'	E410035-04A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS17 @ 0.5'	E410035-05A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS30 @ 0.5"	E410035-06A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS22 @ 0.5'	E410035-07A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS16 @ 0.5'	E410035-08A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS19 @ 0.5'	E410035-09A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS29 @ 1'	E410035-10A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS18 @ 0.5'	E410035-11A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.
FS31 @ 0.5'	E410035-12A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS33 @ 0.5' E410035-01

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2440106
Benzene	ND	0.0250		1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250		1	10/04/24	10/08/24	
Toluene	ND	0.0250		1	10/04/24	10/08/24	
o-Xylene	ND	0.0250		1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500		1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2440098
Diesel Range Organics (C10-C28)	27.3	25.0		1	10/04/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/04/24	10/04/24	
Surrogate: n-Nonane		103 %	50-200		10/04/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2440103



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS28 @ 1" E410035-02

		E410033-02					
		Reporting					
Analyte	Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2440106
Benzene	ND	0.0250	1	. 1	0/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1	. 1	0/04/24	10/08/24	
Toluene	ND	0.0250	1	. 1	0/04/24	10/08/24	
o-Xylene	ND	0.0250	1	. 1	0/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	. 1	0/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	. 1	0/04/24	10/08/24	
Surrogate: Bromofluorobenzene		95.2 %	70-130	Ì	0/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	İ	0/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130	Ì	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 1	0/04/24	10/08/24	
Surrogate: Bromofluorobenzene		95.2 %	70-130	Ì	0/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	i	0/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130	i	0/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF			Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1	. 1	0/04/24	10/04/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	. 1	0/04/24	10/04/24	
Surrogate: n-Nonane		98.7 %	50-200	i	0/04/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM			Batch: 2440103
Chloride	ND	20.0	1	. 1	0/04/24	10/04/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS23 @ 0.5' E410035-03

		E410055-05					
		Reporting					
Analyte	Result	Limit	Dilut	tion l	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2440106
Benzene	ND	0.0250	1		10/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1		10/04/24	10/08/24	
Toluene	ND	0.0250	1		10/04/24	10/08/24	
o-Xylene	ND	0.0250	1		10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1		10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1		10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130	ي	10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY			Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		101 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF			Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1		10/04/24	10/04/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	·	10/04/24	10/04/24	
Surrogate: n-Nonane		101 %	50-200		10/04/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM			Batch: 2440103
Chloride	46.1	20.0	1		10/04/24	10/04/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS32 @ 0.5' E410035-04

		E410033-04					
Analyte	Result	Reporting Limit	Dilu	tion	Duomonod	Amalyzza	Notes
Analyte	Kesuit	Limit	Dilu	tion	Prepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Benzene	ND	0.0250	1		10/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1		10/04/24	10/08/24	
Toluene	ND	0.0250	1		10/04/24	10/08/24	
o-Xylene	ND	0.0250	1		10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1		10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1		10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		95.2 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		95.2 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1		10/04/24	10/05/24	_
Oil Range Organics (C28-C36)	ND	50.0	1		10/04/24	10/05/24	
Surrogate: n-Nonane		102 %	50-200	·	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: .	JM		Batch: 2440103
Chloride	250	20.0	1		10/04/24	10/04/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS17 @ 0.5' E410035-05

		E410033-03					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilu	IIIOII	rrepareu	Anaryzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Benzene	ND	0.0250	1	1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1	1	10/04/24	10/08/24	
Toluene	ND	0.0250	1	1	10/04/24	10/08/24	
o-Xylene	ND	0.0250	1	1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/04/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/04/24	10/05/24	
Surrogate: n-Nonane		103 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2440103
Chloride	ND	20.0	1	1	10/04/24	10/04/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS30 @ 0.5" E410035-06

		E410033-00				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2440106
Benzene	ND	0.0250	1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/04/24	10/08/24	
Toluene	ND	0.0250	1	10/04/24	10/08/24	
o-Xylene	ND	0.0250	1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130	10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		99.0 %	70-130	10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Surrogate: n-Nonane		103 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2440103
Chloride	68.1	20.0	1	10/04/24	10/04/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS22 @ 0.5' E410035-07

		E410033-07					
Anglista	Result	Reporting Limit		ution	Duomonod	Analyzad	Notes
Analyte	Resuit	Limit	ווע	uuon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Benzene	ND	0.0250		1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250		1	10/04/24	10/08/24	
Toluene	ND	0.0250		1	10/04/24	10/08/24	
o-Xylene	ND	0.0250		1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500		1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0		1	10/04/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/04/24	10/05/24	
Surrogate: n-Nonane		99.6 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2440103
Chloride	25.7	20.0		1	10/04/24	10/04/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS16 @ 0.5' E410035-08

		E410033-00					
Aughte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dill	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Benzene	ND	0.0250		1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250		1	10/04/24	10/08/24	
Toluene	ND	0.0250		1	10/04/24	10/08/24	
o-Xylene	ND	0.0250		1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500		1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0		1	10/04/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/04/24	10/05/24	
Surrogate: n-Nonane		98.5 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2440103
Chloride	25.4	20.0		1	10/04/24	10/04/24	
Chloride	25.4	20.0		1	10/04/24	10/04/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS19 @ 0.5' E410035-09

		E410055-09					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2440106
Benzene	ND	0.0250	1		10/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1		10/04/24	10/08/24	
Toluene	ND	0.0250	1		10/04/24	10/08/24	
o-Xylene	ND	0.0250	1		10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1		10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1		10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		103 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: A	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1		10/04/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1		10/04/24	10/05/24	
Surrogate: n-Nonane		101 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: J	M		Batch: 2440103
Chloride	ND	20.0	1		10/04/24	10/04/24	



Matador Resources, LLC.Project Name:Grevey Com TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:23:02PM

FS29 @ 1' E410035-10

		E410055-10				
	D 1:	Reporting				N .
Analyte	Result	Limit	Diluti	ion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2440106
Benzene	ND	0.0250	1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250	1	10/04/24	10/08/24	
Toluene	ND	0.0250	1	10/04/24	10/08/24	
o-Xylene	ND	0.0250	1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130	10/04/24	4 10/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	10/04/2	4 10/08/24	
Surrogate: Toluene-d8		99.7 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130	10/04/2	4 10/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	10/04/2	4 10/08/24	
Surrogate: Toluene-d8		99.7 %	70-130	10/04/2	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Surrogate: n-Nonane		96.0 %	50-200	10/04/2-	4 10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2440103
Chloride	41.8	20.0	1	10/04/24	10/04/24	· · · · · · · · · · · · · · · · · · ·



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS18 @ 0.5' E410035-11

		2.10000 11					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:	•	1 mary zea	Batch: 2440106
Volatile Organic Compounds by EPA 8260B		0.0250		1	10/04/24	10/08/24	Batch. 2440100
Benzene	ND			1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250		1	10/04/24	10/08/24	
Toluene	ND	0.0250		1	10/04/24	10/08/24	
o-Xylene	ND	0.0250		1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500		1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		102 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0		1	10/04/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/04/24	10/05/24	
Surrogate: n-Nonane		99.6 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2440103
Chloride	ND	20.0		1	10/04/24	10/04/24	

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/9/2024 2:23:02PM

FS31 @ 0.5' E410035-12

		E410033-12					
	D 1	Reporting			D 1		N.
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Benzene	ND	0.0250		1	10/04/24	10/08/24	
Ethylbenzene	ND	0.0250		1	10/04/24	10/08/24	
Toluene	ND	0.0250		1	10/04/24	10/08/24	
o-Xylene	ND	0.0250		1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500		1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		100 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2440106
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/04/24	10/08/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130		10/04/24	10/08/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/04/24	10/08/24	
Surrogate: Toluene-d8		100 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2440098
Diesel Range Organics (C10-C28)	ND	25.0		1	10/04/24	10/05/24	_
Oil Range Organics (C28-C36)	ND	50.0	:	1	10/04/24	10/05/24	
Surrogate: n-Nonane		104 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2440103
Chloride	20.4	20.0		1	10/04/24	10/04/24	



Matador Resources, LLC. Project Name: Grevey Com TB

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

Dallas TX, 75240 Project Manager: Ashley Giovengo 10/9/2024 2:23:02PM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	go			10/	9/2024 2:23:02PN
	V	olatile Organi	ic Compo	unds by EI	PA 82601	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440106-BLK1)							Prepared: 10	0/04/24 Anal	yzed: 10/07/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
LCS (2440106-BS1)							Prepared: 10)/04/24 Anal	yzed: 10/07/24
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130			
Toluene	2.45	0.0250	2.50		97.9	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.22	0.0500	5.00		104	70-130			
Total Xylenes	7.82	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Matrix Spike (2440106-MS1)				Source:	E410034-	04	Prepared: 10	0/04/24 Anal	yzed: 10/08/24
Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.49	0.0250	2.50	ND	99.4	48-130			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
o,m-Xylene	5.06	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			
Matrix Spike Dup (2440106-MSD1)				Source:	E410034-	04	Prepared: 10)/04/24 Anal	yzed: 10/08/24
Benzene	2.51	0.0250	2.50	ND	100	48-131	0.794	23	
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	0.514	27	
Toluene	2.50	0.0250	2.50	ND	99.8	48-130	0.422	24	
o-Xylene	2.54	0.0250	2.50	ND	102	43-135	0.930	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	0.0988	27	
Total Xylenes	7.60	0.0250	7.50	ND	101	43-135	0.244	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			



0.500

0.500

99.4

102

70-130

70-130

0.497

0.509

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:23:02PM

Nonhalogenate	d Organias	by EDA	0015D	CDO
Nonnalogenate	a Organics	DV EPA	XU151) -	CTKCI

Analyst: IY

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

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



Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/9/2024 2:23:02PM

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	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440098-BLK1)							Prepared: 1	0/04/24 An	alyzed: 10/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	50-200			
LCS (2440098-BS1)							Prepared: 1	0/04/24 An	alyzed: 10/04/24
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			
Matrix Spike (2440098-MS1)				Source:	E410034-	04	Prepared: 1	0/04/24 An	alyzed: 10/04/24
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	57.2		50.0		114	50-200			
Matrix Spike Dup (2440098-MSD1)				Source:	E410034-	04	Prepared: 1	0/04/24 An	alyzed: 10/04/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	0.992	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			



Chloride

Chloride

Chloride

Matrix Spike (2440103-MS1)

Matrix Spike Dup (2440103-MSD1)

254

938

936

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number Project Manager	: 2	revey Com Tl 3003-0002 shley Gioven					Reported: 10/9/2024 2:23:02PM		
		Anions	by EPA	300.0/9056	A				Analyst: JM	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2440103-BLK1)						I	Prepared: 1	0/04/24 <i>A</i>	Analyzed: 10/04/24	
Chloride	ND	20.0								
LCS (2440103-BS1)						I	Prepared: 1	0/04/24 A	Analyzed: 10/04/24	

250

250

250

20.0

200

200

102

95.3

94.5

Source: E410034-05

Source: E410034-05

700

90-110

80-120

80-120

0.219

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

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

20

QC Summary	Report	Comment

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Grevey Com TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/09/24 14:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



	Chain e	of Custo	dy											Page
Client Information	Invoice Information	n		Lab Use Only								TA	T	State
Client: Matador Production Company	Company: Ensolum LLC	um LLC L:			Lab WO# Jo				Job Number 22003-0002				3D St	d NM CO UT TX
Project: Grevey Com TB	Address: 3122 National Parks I	Hwy	_ <u> E</u>	110	135		23	003	<u>, 40</u>	2			x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 8	8220												
Address: 3122 National Parks Hwy	Phone: 575-988-0055		_				Ana	lysis	and	Met	hod			EPA Program
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.o	com	_								ŀ			SDWA CWA RCRA
Phone: 575-988-0055	Miscellaneous:			 		ı 1						l		
Email: agiovengo@ensolum.com				015	015									Compliance Y or N
				þý 8	₩ 24	121	8	00	⅀	¥	tals	1		PWSID #
	e Information	ि भ	Lab	실용	욽	by 8	8 8	ge 3	ایٰ	1005	ž	-		Remarks
Time Sampled Date Sampled Matrix No. of Containers	Sample ID	Field	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ Ьу 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Nemarks
1254 10-2-24 soil 1 FS	33 Q, Z"		l						×					
	28 Q' 1'		2						x					
1112 10-224 Soil 1 FS 2			3						X					
1252 10-224 Soil 1 FS 3	<u> </u>		4						Y					
1110 10-2-24 Soil FS 1			5						χ					
1431 10-2-24 Soil 1 FS 3	8		4						X					
1106 10-2-24 Soil 1 FS Z	 		7						×				1	
1109 10-2-24 Soil 1 FS 16			8						¥					
1209 10-2-24 soil 1 FS 19	- 11		9						Y					
1346 10-2-24 Soil 1 F5 2			10						X					
Additional Instructions: Please CC: cburton@er		iestrella@		m.co	n, bo	leal@	Den:	solun		n, ch	amilt	on@	ensolu	ım.com.
bsimmons@ensolum.com	and the state of t				,			1		,				······
I, (field sampler), attest to the validity and authenticity of this sample	. I am aware that tampering with or intentionally mislal	beling the sam	ple locatio	n, date	or time	e of co	llectio	n is co	nsider	ed frau	ıd and r	nay be	grounds	for legal action.
Sampled by: _Brandon Deal _ Higinio Gontul	2 1 1	_/							1_ :					
Relinquished by: (Signature) Date	ime Received by Signature)	Date W/	أرجأ	Time	20	_	ļ				-			n must be received on ice the day they are a avg temp above 0 but less than 6 °C on
10-2-24	1/30	v 10/	<u> 5164</u>	1/2	<u>5</u> 2	+	ł		subser					
	me Received by: (Signature)	Date	5. 24	lime	30				0	a i	4			Use Only
	(265 Kecelyed by: (fignatura)	Dates		Time	<u></u> C		1		rec	eivec	d on i	.e.	(<i>U</i>)	IA
	2400 Cath Man	10/4	ואנו		00		ļ		T1				T2	<u>T3</u>
Relinquished by: (Signature)	ime Received by: (Signature)	Date	107	Time			1		<u> </u>			ر		
,, ,									AVG	Ten	np °C			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Conta	iner Ty	pe: g -	glass	, p - p	poly/	plasti				iss, v	- VOA	



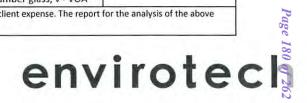


Released to Imaging: 11/14/2024 11:59:10 AM

Page	2	of	2
0 -		1000	

	Clie	nt Inform	nation				ion				Lab L	se O	nly			TAT			State			
Client: N	Natador Proc	dor Production Company					pany: Ensolum LLC		La	ab W	O#		Job Number				1D 2D 3D Sto		BD Std	NM CO L		TX
Project:	Grevey Com	ТВ				Add	ress: 3122 National Park	cs Hwy	F	411	003	5	23	603.	ac	2	×			×		
	/lanager: As		engo				State, Zip: Carlsbad NM			- 4.	-		-	~	-							
	3122 Natio						ne: 575-988-0055						An	Analysis and Me						EP	A Progra	m
City, State, Zip: Carlsbad NM, 88220						_	ail: agiovengo@ensolur	m com			1		1	ľ						SDWA	CWA	RCRA
	575-988-005		OOLLO			Miscellaneous:							1						17 16 19	00.1171		1,10.0.1
	giovengo@e					IVIISC	enaneous.			Y									1 - 3	Compliand	e Y	or N
Ciliali. a	gioverigowe	nsolum.c	.0111							1 2	8015	015		2				- N	14-3	PWSID#	,	01 11
				C-4-	ala lafas					- 3	à .	by 8	09	00.0	Σ	¥	etals		- 1	F VV SID #		
				Sam	ple Infor	matio	1		J	- 9	OKO I	0 V 8	y 82	de 3	i	900	Σ			1	Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers			9	Sample ID	Field	Lab Numb	er 8	DRO/ORO by	GRO/DRO by 8015 BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Kemarks	
1108	10-2-24	Soil	1	Fo	618	(0)	2"		11						X							
1249	10-2-24		1	F5.		(0)	2"		12	3	1				X							
(277	10 6 61	5011		13.	J1	0			12		+	+	-									
										4	-	+	+					-				
																				1		
	N.										+	+	+	H								
										+	-	-	+	-				-				
Addition	l nal Instructio	ons: Ple	ase CC: c	burton@e	nsolum	.com, a	agiovengo@ensolum.co	m, iestrella	@enso	lum.c	com,	bdea	l@en	solur	n.co	m, ch	amil	ton@	ensolun	n.com,	-	
bsimmo	ns@ensolun	n.com																				
	pler), attest to th :Brandon Deal	e validity and	dauthenticit	of this samp	le. I am aw	vare that	tampering with or intentionally m	islabeling the sa	imple loca	ition, da	ate or	time of	collection	on is co	nsider	ed frau	ıd and ı	may be p	grounds fo	r legal action.		
	ed by: (Signatu		Date		Time	2 -	Received by: (Signature)	Date	1 1-	Tir	me	-	-							ust be received		
1		= 1	, 10	-5-54	17	0	Of y	101	13/2	41	123	2)				ed or re		packed in	ice at an av	g temp above 0	out less than	6 Con
Relinquish	ed by Klignatu	re Jant	Date 10	13/24	Time /// O	-	Received by: (Signature)	Date	3.2	Tir	me 17	30			Rec	eiver	d on i	ce.	Lab U	se Only		
Relinguish	ed by: (Signatu	vre)	Date	101	Time		Regeived by/(Signaty)	Date	lub	// Tir	me	7				21420	. 0111		J''			
Relinquish	(. led by: (Signatu	ire)	/o	.3.24	2 40 Time	00	Received by: (Signature)	Date	1410	7	me ·	U			<u>T1</u>			_ 1	12		<u>T3</u>	-
	-7. (5.830														AVO	i Ten	np °C	4				
	trix: S - Soil, Sd - S								ntainer 1						ic, ag	- am	ber gl	ass, v -	- VOA			
							rrangements are made. Hazar his COC. The liability of the lal									e cliei	nt exp	ense. T	he report	for the anal	ysis of the	above





envirotech Inc.

Printed: 10/4/2024 10:00:14AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/04/24	08:00	Work Order ID:	E410035
Phone:	(972) 371-5200	Date Logged In:	10/03/24	16:32	Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:	10/10/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	tch the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	Carrier. <u>Courier</u>		
	all samples received within holding time?	orea amary ses.	Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss.				Comment	s/Resolution
	<u>Furn Around Time (TAT)</u> e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •		145			
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	s, were custody/security seals intact?		No			
			NA			
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling	re received w/i 15	Yes			
	visible ice, record the temperature. Actual sample	e temperature. 4	<u> </u>			
_	Container		NT-			
	equeous VOC samples present?		No NA			
	VOC samples collected in VOA Vials? The head space less than 6-8 mm (pea sized or less)?		NA NA			
			NA NA			
	a trip blank (TB) included for VOC analyses?	.0				
	non-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contain	ners conected?	Yes			
Field La	field sample labels filled out with the minimum inf	armation				
	Sample ID?	omation.	Yes			
	Date/Time Collected?		Yes			
(Collectors name?		Yes			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are s	sample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved i	netals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
	s, does the COC specify which phase(s) is to be anal		NA			
Subcont	ract Laboratory					
	camples required to get sent to a subcontract laborate	ory?	No			
	a subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
		1 50 WHO.	1171	Subcontract Lab. 14A		
Client I	<u>nstruction</u>					

Date

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

ヾ

	Chain of C	usto	ly											Page 1	_of <u>2</u>	5
Client Information	Invoice Information				La	b Us	e On	ly				TAT		State		rived by OCD:
Client: Matador Production Company	Company: Ensolum LLC		Lab	WO#			lob I	lumb	er		1D 2	2D 3D	Std	NM CO UT TX		by
Project: Grevey Com TB	Address: 3122 National Parks Hwy		E	WO#	135	5	24	203	000	21			x	x		0
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220															2
Address: 3122 National Parks Hwy	Phone: 575-988-0055						Ana	lysis	and I	Vietl	nod			EPA Program		.~
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com													SDWA CWA RCRA		1
Phone: 575-988-0055	Miscellaneous:															7/2
Email: agiovengo@ensolum.com				015	915								1 1	Compliance Y or N PWSID#		02
Sample Ir	nformation			30 by 8	RO by 8	8021	8260	a 300.0	NN-	XT-20	Metals					4 11
Time Sampled Date Sampled Matrix No. of Containers	Sample ID	Field Filter	Lab Iumber	DRO/ORO by 8015	GRO/DRO	BTEX by 802	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks		:32:1
1254 10-2-24 soil 1 F5 33	3 @ Zr 0.5'		1						×					Name changes		11/7/2024 11:32:15 AM
1344 10-2-24 Soil 1 F5 28	· C · 1'		2						×					10/7/24-VA		
1112 10-224 Soil 1 FS 23	E 2" 0.5'		3			3			X							
1252 10-224 Soil 1 FS 320	@ 24 0.51		4						Y							
1110 10-2-24 Soil FS 17	@ 21 0.51		5						X						g	٥
1431 10-2-24 Soil 1 FS 30	Q 0.5'		6						x				1-7		4	07 10 0
1106 10-2-24 Soil 1 F5 22	@ 2" 0.5'		7						×							rage 23
1109 10-2-24 Soil 1 FS 16 (2 24 0.5'		8						Y					in the second	Ć	Γ Q
1209 10-2-24 Soil 1 FS 19 E	2 2 05'		9						4							
1346 10-2-24 Soil 1 F529	@ 1'	1	10						X							
Additional Instructions: Please CC: cburton@ensol	lum.com, agiovengo@ensolum.com, iest	rella@	ensolu	ım.co	m, bo	teal@	Dens	olun	1.con	n, ch	amilt	on@en	solum	.com,		
bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I a	m aware that tampering with as intentionally will be like	the care	la locatio	on data	ortim	e of co	llectio	n is cor	nsidere	d frau	d and o	av be gro	unds for	legal action.		
Sampled by: Brandon Deal Higin's Contact	an aware that tampering with or intentionally inisiabeling	ric saint	iocali	on, date	or tim						a la	., 8.0			}	
Relinquished by: (Signature) Date Time		Date ZO	3/24	Time	235	-								ist be received on ice the day they are g temp above 0 but less than 6 °C on		
Relinquished by: (Standure)/) Date/ Time		Date	5.24	Time	330	,			Rece	eived	on ic	e: (Lab Us Y)/ N	e Only		
Relingershed by: (Signature) Date Time		10/4	124	Time 8	0				T1					T3		
Relinquished by: (Signature) Date Time	Received by: (Signature)	Date		Time							ıp °C_	4		William Long		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Conta	iner Ty	pe: g -	glass	, p - p	ooly/	plasti	c, ag	aml	er gla	iss, v - V	OA		1	
Note: Samples are discarded 14 days after results are reported u	nless other arrangements are made. Hazardous sai	mples w	ill be ret	turned	to clie	ent or	dispo	sed of	at the	clier	t expe	nse. The	report	for the analysis of the above		

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

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	Chain of	Custody										Page Z of Z Recent
Client Information Client: Matador Production Company Project: Grevey Com TB Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy	Invoice Information Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 882: Phone: 575-988-0055		Lab WC			236	Numb 13·L	per 2007 and M	_	D 2D	AT 3D S	EPA Program
City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com -	Email: agiovengo@ensolum.com Miscellaneous:	1	2108.0	y 8015	11	0	0.0	-	×	als		SDWA CWA RCRA Compliance Y or N PWSID#
Time Sampled Date Sampled Matrix No. of Containers	Information Sample ID	Field Filter T	ab nber	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		Remarks
1108 10-2-24 Soil 1 FS1:	8 @ 240.5	1	1		а	2	U	X	-			5 4 M
1249 10-2-24 50ii F531	(e) 2" 0.5'	12	2					×				
												Page 26 of 26
Additional Instructions: Please CC: cburton@enso	olum.com, agiovengo@ensolum.com, ies	trella@en	solum.c	om, bo	deal@	ens	olum	ı.com	, cha	milton	@enso	olum.com,
bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I Sampled by: Brandon Deal Highly Gon 7282 Relinquished by: (Signature) Relinquished by: (Signature) Date Tim Relinquished by: (Signature) Date Tim Relinquished by: (Signature) Date Tim Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Received by: (Signature) Received by: (Signature) Received by: (Signature) Begeived by: (Signature) Control of the signature of the signat	Date 10:3 Date 10:3 Date 10:3 Date 10:4 Date 1	24 Tir	730	5			Samples sampled subsemular Recei	requiring or received days	ng thermal ived packets on ice:	Lal T2	tion must be received on ice the day they are an avg temp above 0 but less than 6 °C on b Use Only / N



ent expense. The report for the analysis of the above

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E410047

Job Number: 23003-0002

Received: 10/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/8/24

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

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

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

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

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

Date Reported: 10/8/24

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

Project Name: Grevey Com TB

Workorder: E410047

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

Ashley Giovengo,

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

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Grevey Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/08/24 15:15

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS35 - 3.5'	E410047-01A Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS43 - 0.5'	E410047-02A Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS44 - 0.5'	E410047-03A Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS45 - 0.5'	E410047-04A Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
FS46 - 2'	E410047-05A Soil	10/03/24	10/07/24	Glass Jar, 2 oz.
SW01 - 0-2'	E410047-06A Soil	10/03/24	10/07/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name: Gre	revey Com TB
5400 LBJ Freeway, Suite 1500	Project Number: 230	8003-0002 Reported:
Dallas TX, 75240	Project Manager: Ash	shley Giovengo 10/8/2024 3:15:09PM

FS35 - 3.5' E410047-01

	E410047-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2441007
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0500	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
	99.6 %	70-130	10/07/24	10/07/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2441007
ND	20.0	1	10/07/24	10/07/24	
	98.3 %	70-130	10/07/24	10/07/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2441004
ND	25.0	1	10/07/24	10/08/24	
ND	50.0	1	10/07/24	10/08/24	
	106 %	50-200	10/07/24	10/08/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2441002
ND	20.0	1	10/07/24	10/07/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg ND 20.0 98.3 % mg/kg ND 25.0 ND 50.0 106 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 106 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Manalyst: BA ND 0.0250 1 10/07/24 ND 0.0250 1 10/07/24 ND 0.0250 1 10/07/24 ND 0.0500 1 10/07/24 ND 0.0250 1 10/07/24 ND 0.0250 1 10/07/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/07/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/07/24 ND 50.0 1 10/07/24 ND 50.0 1 10/07/24 ND 50.0 1 10/07/24 Mg/kg Mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 ND 0.0500 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 MD 0.0250 1 10/07/24 10/07/24 MD 0.0250 1 10/07/24 10/07/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/07/24 10/07/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/07/24 10/08/24 ND 50.0 1 10/07/24 10/08/24 ND 50.0 1 10/07/24<

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2024 3:15:09PM

FS43 - 0.5' E410047-02

		L-1100-17 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2441007
Benzene	ND	0.0250	1	10/07/24	10/07/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/07/24	
Toluene	ND	0.0250	1	10/07/24	10/07/24	
o-Xylene	ND	0.0250	1	10/07/24	10/07/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/07/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/07/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2441007
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2441004
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/08/24	
Surrogate: n-Nonane		103 %	50-200	10/07/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2441002
Chloride	45.5	20.0	1	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2024 3:15:09PM

FS44 - 0.5' E410047-03

	E-1004/-05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2441007
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
ND	0.0500	1	10/07/24	10/07/24	
ND	0.0250	1	10/07/24	10/07/24	
	97.8 %	70-130	10/07/24	10/07/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2441007
ND	20.0	1	10/07/24	10/07/24	
	96.1 %	70-130	10/07/24	10/07/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2441004
ND	25.0	1	10/07/24	10/08/24	
ND	50.0	1	10/07/24	10/08/24	
	107 %	50-200	10/07/24	10/08/24	
//	п	Amala	rat. DT		Batch: 2441002
mg/kg	mg/kg	Allai	yst: D1		Batch: 2441002
_	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 97.8 % mg/kg MD 20.0 96.1 % mg/kg ND 25.0 ND 50.0 107 %	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 97.8 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 10/07/24 ND 0.0250 1 10/07/24 ND 0.0250 1 10/07/24 ND 0.0500 1 10/07/24 ND 0.0250 1 10/07/24 ND 0.0250 1 10/07/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/07/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/07/24 ND 50.0 1 10/07/24 ND 50.0 1 10/07/24	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 ND 0.0500 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 ND 0.0250 1 10/07/24 10/07/24 mg/kg mg/kg Analyst: BA ND 20.0 1 10/07/24 10/07/24 mg/kg mg/kg Analyst: NV 10/07/24 10/07/24 ND 25.0 1 10/07/24 10/08/24 ND 50.0 1 10/07/24 10/08/24 ND 50.0 1 10/07/24 10/08/24



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2024 3:15:09PM

FS45 - 0.5'

		E410047-04								
Reporting										
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2441007				
Benzene	ND	0.0250	1	10/07/24	10/07/24					
Ethylbenzene	ND	0.0250	1	10/07/24	10/07/24					
Toluene	ND	0.0250	1	10/07/24	10/07/24					
o-Xylene	ND	0.0250	1	10/07/24	10/07/24					
p,m-Xylene	ND	0.0500	1	10/07/24	10/07/24					
Total Xylenes	ND	0.0250	1	10/07/24	10/07/24					
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/07/24	10/07/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2441007				
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/07/24					
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	10/07/24	10/07/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2441004				
Diesel Range Organics (C10-C28)	58.3	25.0	1	10/07/24	10/08/24					
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/08/24					
Surrogate: n-Nonane		110 %	50-200	10/07/24	10/08/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2441002				
Chloride	24.0	20.0	1	10/07/24	10/07/24					



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2024 3:15:09PM

FS46 - 2' E410047-05

		E410047-03				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Ana	alyst: BA		Batch: 2441007
Benzene	ND	0.0250	1	10/07/24	10/07/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/07/24	
Toluene	ND	0.0250	1	10/07/24	10/07/24	
o-Xylene	ND	0.0250	1	10/07/24	10/07/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/07/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/07/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2441007
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2441004
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/08/24	
Surrogate: n-Nonane		99.8 %	50-200	10/07/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2441002
Chloride	799	20.0	1	10/07/24	10/07/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2024 3:15:09PM

SW01 - 0-2' E410047-06

		E410047-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	st: BA		Batch: 2441007
Benzene	ND	0.0250	1	10/07/24	10/07/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/07/24	
Toluene	ND	0.0250	1	10/07/24	10/07/24	
o-Xylene	ND	0.0250	1	10/07/24	10/07/24	
o,m-Xylene	ND	0.0500	1	10/07/24	10/07/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/07/24	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2441007
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2441004
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/08/24	
Surrogate: n-Nonane		100 %	50-200	10/07/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2441002
Chloride	269	20.0	1	10/07/24	10/07/24	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Grevey Com TB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/8/2024 3:15:09PM

Dallas TX, 75240		Project Number: Project Manager:		shley Giovengo	o				10/8/2024 3:15:09PM	
		Volatile Organics by EPA 8021B							Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2441007-BLK1)]	Prepared: 10	0/07/24 Aı	nalyzed: 10/07/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130				
LCS (2441007-BS1)]	Prepared: 10	0/07/24 Aı	nalyzed: 10/07/24	
Benzene	5.44	0.0250	5.00		109	70-130				
Ethylbenzene	5.36	0.0250	5.00		107	70-130				
Toluene	5.43	0.0250	5.00		109	70-130				
-Xylene	5.37	0.0250	5.00		107	70-130				
o,m-Xylene	10.9	0.0500	10.0		109	70-130				
Total Xylenes	16.3	0.0250	15.0		109	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130				
LCS Dup (2441007-BSD1)						1	Prepared: 10	0/07/24 Aı	nalyzed: 10/07/24	
Benzene	4.57	0.0250	5.00		91.5	70-130	17.4	20		
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130	17.5	20		
Coluene	4.56	0.0250	5.00		91.2	70-130	17.5	20		
o-Xylene	4.50	0.0250	5.00		89.9	70-130	17.7	20		
o,m-Xylene	9.18	0.0500	10.0		91.8	70-130	17.2	20		
Total Xylenes	13.7	0.0250	15.0		91.2	70-130	17.4	20		



QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/8/2024 3:15:09PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: BA

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

Blank (2441007-BLK1)						Prepared: 1	0/07/24	Analyzed: 10/07/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00	95.4	70-130			
LCS (2441007-BS2)						Prepared: 10	0/07/24	Analyzed: 10/07/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00	96.2	70-130			
LCS Dup (2441007-BSD2)						Prepared: 1	0/07/24	Analyzed: 10/07/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	96.8	70-130	7.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00	97.1	70-130			



QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/8/2024 3:15:09PM

	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441004-BLK1)							Prepared: 1	0/07/24 Anal	yzed: 10/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		98.9	50-200			
LCS (2441004-BS1)							Prepared: 1	0/07/24 Anal	yzed: 10/07/24
Diesel Range Organics (C10-C28)	297	25.0	250		119	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			
Matrix Spike (2441004-MS1)				Source:	E410047-	01	Prepared: 1	0/07/24 Anal	yzed: 10/07/24
Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			
Matrix Spike Dup (2441004-MSD1)				Source:	E410047-	01	Prepared: 1	0/07/24 Anal	yzed: 10/07/24
Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	38-132	2.59	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number: Project Manager:	Grevey Com TB 23003-0002 Ashley Giovengo	Reported: 10/8/2024 3:15:09PM
	Analyst: WF		

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441002-BLK1)							Prepared: 1	0/07/24	Analyzed: 10/07/24
Chloride	ND	20.0							
LCS (2441002-BS1)							Prepared: 1	0/07/24	Analyzed: 10/07/24
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2441002-MS1)				Source:	E410041-	01	Prepared: 1	0/07/24	Analyzed: 10/07/24
Chloride	386	200	250	ND	154	80-120			M6
Matrix Spike Dup (2441002-MSD1)				Source:	E410041-	01	Prepared: 1	0/07/24	Analyzed: 10/07/24
Chloride	390	200	250	ND	156	80-120	1.09	20	M6

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:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/08/24 15:15

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

recoveries.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Claria.	- £	C	J
Chain	OT	Custo	av

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Page	of

	Clie	nt Inform	nation			Invoice Info	rmation				La	b Us	e Onl	у				TAT	1		State	е
Client: N	1atador Prod	0.00	V_ V LOV		Con	npany: Ensolum LLC			Lab								1D 2D 3D S			d NM CO UT TX		TX
	Grevey Com		, iii pui i j		_	dress: 3122 National			_ EZ								Х	×				
	lanager: Ash		engo		City	, State, Zip: Carlsbac	d NM, 8822	0		,,,,,												
	3122 Nation					ne: 575-988-0055							Analysis and Met				hod			E	PA Progra	am
	e, Zip: Carls					ail: agiovengo@en	solum.com													SDWA	CWA	RCRA
	75-988-005		OOLLO			ellaneous:	SOIGITICOTT															
	giovengo@e		om		-	charicous.				22	52									Complian	ice Y	or N
Liliali. a	giovengowe	i i 301ui i i .c.	OIII						_	by 8015	801	-		0.	_	×	s s			PWSID#		
				Sample	Informatio	n				30 b)	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					
Time	1.00	120.00	No. of			Camala ID		Field Filter	Lab	DRO/ORO	JQ/C	X	C by	orid	90	0 10	8 A 8				Remarks	
Sampled	Date Sampled	Matrix	Containers		3	Sample ID		File	Number	DRC	GRO	BTE	9	C.F.	BGI	TCE	RCF					
10:04	10/3/2024	S	1		F	S35 - 3.5'			1						x							
14:32	10/3/2024	S	1		F	-S43 - 0.5'			2						х							
14:34	10/3/2024	S	1		F	-S44 - 0.5'			3						х							
14:28	10/3/2024	S	1		F	S45 - 0.5'			4						x							
14:09	10/3/2024	s	1			FS46 - 2'			5						x							
13:52	10/3/2024	S	1		S	W01 - 0-21			6						х							
																		-				
													0.00					4	-			
Addition	nal Instructio	ns: Plea	ase CC: cbu	rton@ensc	olum.com, a	giovengo@ensolum.	.com, iestre	lla@e	ensolum.	.com,	, bdea	al@e	nsolu	m.c	om, c	ham	ilton(@enso	lum.co	om,		
bsimmo	ns@ensolun	n.com e validity an	d authenticity	of this sample.	I am aware that	tampering with or intention	ally mislabeling t	he sam	ple location	, date	or time	of coll	ection i	s cons	idered	fraud	and ma	y be grou	ınds for l	egal action.		
	:Cole Burton_					1						,										
Relinquish	ed by: (Signatu	re)	Date 10/6	4/24	7:30	Received by (Signature)	(in	Date	1.42	4	24	15							e at an avg	g temp above (d on ice the day D but less than	
Relinquish	by: (Signatu	re)	Date	4.24	T430	Received by: (Signature)	30	Date	4.24	Time	600				Rece	eived	d on ic	e: (Lab U	se Only		
Ladra	ned by: (Signatu	٥	Date /0 ·	4.24	2230	Received by: (Signature)	Helle	10	7.24	_	50	70			<u>T1</u>			<u></u>	2		<u>T3</u>	
	ned by: (Signatu	re)	Date		me	Received by: (Signature)		Date		Time					AVG	Ten	np °C_	4	XX.1			
Sample Ma	trix: S - Soil, Sd -	Solid, Sg - Slu	udge, A - Aque	ous, O - Other _				Con	tainer Typ	oe: g -	glass,	p - p	oly/pl	astic	, ag -	amb	er glas	s, v - VC	JA		Calcard	a remarks to
Note: Sam	ples are discar	ded 14 days	s after results	are reported	unless other ar	rangements are made. H	azardous samp	oles wi	II be return	ned to	client	or disp	posed o	of at t	ne clie	ent ex	pense.	ine rep	ort for t	ne analysis	or the abov	re samples is
applicable	only to those s	amples rec	eived by the	aboratory wit	th this COC. The	liability of the laboratory	y is limited to t	he am	ount paid f	or on	the rep	ort.										



envirotech

Printed: 10/7/2024 8:55:01AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/07/24	05:00	Work Order ID:	E410047
Phone:	(972) 371-5200	Date Logged In:	10/04/24	13:52	Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:		17:00 (4 day TAT)	<i>56 7</i>	
	Custody (COC)		Vas			
	e sample ID match the COC? e number of samples per sampling site location mat	oh the COC	Yes			
	imples dropped off by client or carrier?	ch the COC	Yes			
	• • • •	.4. 410	Yes Yes	Carrier: Cour	<u>rier</u>	
	COC complete, i.e., signatures, dates/times, reques	sted analyses?				
	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes	_	Commen	ts/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes			
	· •		103			
Sample C	ample cooler received?		Yes			
	was cooler received in good condition?		Yes			
•	-					
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes			
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>			
Sample C						
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
18. Are no	on-VOC samples collected in the correct containers	?	Yes			
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab	<u>el</u>					
	field sample labels filled out with the minimum info	rmation:				
	imple ID?		Yes			
	ate/Time Collected? ollectors name?		Yes			
	reservation		Yes			
	the COC or field labels indicate the samples were pr	eserved?	No			
	mple(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved m	netals?	No			
	se Sample Matrix		110			
	the sample have more than one phase, i.e., multipha	sa?	No			
	does the COC specify which phase(s) is to be analy		No			
		zeu:	NA			
	act Laboratory					
	imples required to get sent to a subcontract laborato	-	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: N	A	
Client In	struction					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E410061

Job Number: 23003-0002

Received: 10/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/14/24

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

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

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

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

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

Date Reported: 10/14/24

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

Project Name: Grevey Com TB

Workorder: E410061

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

Ashley Giovengo,

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

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

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Matador Resources, LLC.	Project Name:	Grevey Com TB	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/24 12:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW02 @ 0-0.5'	E410061-01A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS27 @ 2'	E410061-02A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS38 @ 2'	E410061-03A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
BH11 @ 4'	E410061-04A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
SW03 @ 0-3'	E410061-05A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS34 @ 3'	E410061-06A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS39 @ 0.5-1'	E410061-07A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
BH11 @ 6'	E410061-08A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
SW04 @ 0-3'	E410061-09A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS40 @ 0.5'	E410061-10A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS36 @ 3'	E410061-11A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS42 @ 0.5'	E410061-12A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS37 @ 0.5'	E410061-13A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS41 @ 0.5'	E410061-14A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.
FS47 @ 0.5'	E410061-15A	Soil	10/04/24	10/08/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

SW02 @ 0-0.5' E410061-01

		E410001-01					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Benzene	ND	0.0250		1	10/08/24	10/09/24	
Ethylbenzene	ND	0.0250		1	10/08/24	10/09/24	
Toluene	ND	0.0250		1	10/08/24	10/09/24	
o-Xylene	ND	0.0250		1	10/08/24	10/09/24	
p,m-Xylene	ND	0.0500		1	10/08/24	10/09/24	
Total Xylenes	ND	0.0250		1	10/08/24	10/09/24	
Surrogate: Bromofluorobenzene		118 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		110 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/08/24	10/09/24	_
Surrogate: Bromofluorobenzene		118 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		110 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0		1	10/08/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/08/24	10/08/24	
Surrogate: n-Nonane		90.2 %	50-200		10/08/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2441027
Chloride	ND	20.0		1	10/08/24	10/08/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS27 @ 2' E410061-02

		E410001-02					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dill	шиоп	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Benzene	ND	0.0250		1	10/08/24	10/09/24	
Ethylbenzene	ND	0.0250		1	10/08/24	10/09/24	
Toluene	ND	0.0250		1	10/08/24	10/09/24	
o-Xylene	ND	0.0250		1	10/08/24	10/09/24	
p,m-Xylene	ND	0.0500		1	10/08/24	10/09/24	
Total Xylenes	ND	0.0250		1	10/08/24	10/09/24	
Surrogate: Bromofluorobenzene		117 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		111 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/08/24	10/09/24	
Surrogate: Bromofluorobenzene		117 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		111 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0		1	10/08/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/08/24	10/08/24	
Surrogate: n-Nonane		89.3 %	50-200		10/08/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2441027
Chloride	190	20.0		1	10/08/24	10/08/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS38 @ 2' E410061-03

		L410001-05					
Analyte	Result	Reporting Limit	Dilut	tion Pr	repared	Analyzed	Notes
Analyte	Kesuit	Limit	Dilui	tion 11	срагси	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2441024
Benzene	ND	0.0250	1	10	0/08/24	10/09/24	
Ethylbenzene	1.33	0.0250	1	10	0/08/24	10/09/24	
Toluene	0.492	0.0250	1	10	0/08/24	10/09/24	
o-Xylene	4.05	0.0250	1	10	0/08/24	10/09/24	
p,m-Xylene	8.30	0.0500	1	10	0/08/24	10/09/24	
Total Xylenes	12.4	0.0250	1	10	0/08/24	10/09/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10	0/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10	0/08/24	10/09/24	
Surrogate: Toluene-d8		115 %	70-130	10	0/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2441024
Gasoline Range Organics (C6-C10)	177	20.0	1	10	0/08/24	10/09/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10	0/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10	0/08/24	10/09/24	
Surrogate: Toluene-d8		115 %	70-130	10	0/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF			Batch: 2441022
Diesel Range Organics (C10-C28)	1270	25.0	1	10	0/08/24	10/08/24	
Oil Range Organics (C28-C36)	377	50.0	1	10	0/08/24	10/08/24	
Surrogate: n-Nonane		114 %	50-200	10	0/08/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2441027
Chloride	752	20.0	1	10	0/08/24	10/08/24	



Matador Resources, LLC.Project Name:Grevey Com TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/14/2024 12:16:40PM

BH11 @ 4' E410061-04

		L-10001-0-				
	D 1	Reporting				N .
Analyte	Result	Limit	Dilut	ion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2441024
Benzene	ND	0.0250	1	10/08/2	4 10/09/24	
Ethylbenzene	ND	0.0250	1	10/08/2	4 10/09/24	
Toluene	ND	0.0250	1	10/08/2	4 10/09/24	
o-Xylene	ND	0.0250	1	10/08/2	4 10/09/24	
p,m-Xylene	ND	0.0500	1	10/08/2	4 10/09/24	
Total Xylenes	ND	0.0250	1	10/08/2	4 10/09/24	
Surrogate: Bromofluorobenzene		120 %	70-130	10/08/2	4 10/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	10/08/2	4 10/09/24	
Surrogate: Toluene-d8		110 %	70-130	10/08/2	4 10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/08/2	4 10/09/24	
Surrogate: Bromofluorobenzene		120 %	70-130	10/08/2	4 10/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	10/08/2	4 10/09/24	
Surrogate: Toluene-d8		110 %	70-130	10/08/2	4 10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/2	4 10/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/08/2	4 10/08/24	
Surrogate: n-Nonane		84.4 %	50-200	10/08/2	4 10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2441027
Chloride	1540	20.0	1	10/08/2	4 10/08/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

SW03 @ 0-3'

E410061-05								
Reporting								
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024	
Benzene	ND	0.0250		1	10/08/24	10/09/24		
Ethylbenzene	ND	0.0250		1	10/08/24	10/09/24		
Toluene	ND	0.0250		1	10/08/24	10/09/24		
o-Xylene	ND	0.0250		1	10/08/24	10/09/24		
p,m-Xylene	ND	0.0500		1	10/08/24	10/09/24		
Total Xylenes	ND	0.0250	:	1	10/08/24	10/09/24		
Surrogate: Bromofluorobenzene		116 %	70-130		10/08/24	10/09/24		
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		10/08/24	10/09/24		
Surrogate: Toluene-d8		110 %	70-130		10/08/24	10/09/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/08/24	10/09/24		
Surrogate: Bromofluorobenzene		116 %	70-130		10/08/24	10/09/24		
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130		10/08/24	10/09/24		
Surrogate: Toluene-d8		110 %	70-130		10/08/24	10/09/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2441022	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/08/24	10/08/24		
Oil Range Organics (C28-C36)	ND	50.0		1	10/08/24	10/08/24		
Surrogate: n-Nonane		86.7 %	50-200		10/08/24	10/08/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2441027	
Chloride	27.2	20.0		1	10/08/24	10/08/24		



Matador Resources, LLC.Project Name:Grevey Com TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/14/2024 12:16:40PM

FS34 @ 3' E410061-06

	E410001-00				
Dogult			Dronor-1	A malkyga J	Notes
Resuit	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: IY		Batch: 2441024
ND	0.0250	1	10/08/24	10/09/24	
ND	0.0250	1	10/08/24	10/09/24	
ND	0.0250	1	10/08/24	10/09/24	
ND	0.0250	1	10/08/24	10/09/24	
ND	0.0500	1	10/08/24	10/09/24	
ND	0.0250	1	10/08/24	10/09/24	
	116 %	70-130	10/08/24	10/09/24	
	94.7 %	70-130	10/08/24	10/09/24	
	110 %	70-130	10/08/24	10/09/24	
mg/kg	mg/kg	A	.nalyst: IY		Batch: 2441024
ND	20.0	1	10/08/24	10/09/24	
	116 %	70-130	10/08/24	10/09/24	
	94.7 %	70-130	10/08/24	10/09/24	
	110 %	70-130	10/08/24	10/09/24	
mg/kg	mg/kg	A	nalyst: AF		Batch: 2441022
ND	25.0	1	10/08/24	10/08/24	
ND	50.0	1	10/08/24	10/08/24	
	86.2 %	50-200	10/08/24	10/08/24	
mg/kg	mg/kg	A	nalyst: DT		Batch: 2441027
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 116 % 94.7 % 110 % mg/kg mg/kg ND 20.0 116 % 94.7 % 110 % mg/kg mg/kg ND 25.0 ND 25.0 ND 50.0	Reporting Result Limit Dilution mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 116 % 70-130 70-130 110 % 70-130 1 mg/kg mg/kg A ND 20.0 1 116 % 70-130 1 mg/kg mg/kg A ND 70-130 1 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 86.2 % 50-200	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/08/24 ND 0.0250 1 10/08/24 ND 0.0250 1 10/08/24 ND 0.0250 1 10/08/24 ND 0.0500 1 10/08/24 ND 0.0250 1 10/08/24 ND 0.0250 1 10/08/24 94.7 % 70-130 10/08/24 110 % 70-130 10/08/24 mg/kg mg/kg Analyst: IY ND 20.0 1 10/08/24 94.7 % 70-130 10/08/24 110 % 70-130 10/08/24 mg/kg mg/kg Analyst: AF ND 25.0 1 10/08/24 ND 50.0 1 10/08/24 ND 50.0 1 10/08/24 ND 50.0 1	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/08/24 10/09/24 ND 0.0500 1 10/08/24 10/09/24 ND 0.0250 1 10/08/24 10/09/24 ND 0.0250 1 10/08/24 10/09/24 94.7 % 70-130 10/08/24 10/09/24 110 % 70-130 10/08/24 10/09/24 mg/kg mg/kg Analyst: IY ND 20.0 1 10/08/24 10/09/24 94.7 % 70-130 10/08/24 10/09/24 110 % 70-130 10/08/24 10/09/24 10/08/24 10/09/24 10/09/24



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS39 @ 0.5-1'

E410061-07

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Benzene	ND	0.0250		1	10/08/24	10/09/24	
Ethylbenzene	ND	0.0250		1	10/08/24	10/09/24	
Toluene	ND	0.0250		1	10/08/24	10/09/24	
o-Xylene	ND	0.0250		1	10/08/24	10/09/24	
p,m-Xylene	ND	0.0500		1	10/08/24	10/09/24	
Total Xylenes	ND	0.0250		1	10/08/24	10/09/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		111 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/08/24	10/09/24	
Surrogate: Bromofluorobenzene		115 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		111 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0		1	10/08/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/08/24	10/08/24	
Surrogate: n-Nonane		76.3 %	50-200		10/08/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2441027
	146	20.0		1	10/08/24	10/08/24	·



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

BH11 @ 6' E410061-08

		E410001-08					
		Reporting					N.
Analyte	Result	Limit	Dilut	tion Pi	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2441024
Benzene	ND	0.0250	1	. 10	0/08/24	10/09/24	
Ethylbenzene	ND	0.0250	1	. 10	0/08/24	10/09/24	
Toluene	ND	0.0250	1	. 10	0/08/24	10/09/24	
o-Xylene	ND	0.0250	1	. 10	0/08/24	10/09/24	
p,m-Xylene	ND	0.0500	1	. 10	0/08/24	10/09/24	
Total Xylenes	ND	0.0250	1	. 10	0/08/24	10/09/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10	0/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	10	0/08/24	10/09/24	
Surrogate: Toluene-d8		111 %	70-130	10	0/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 10	0/08/24	10/09/24	
Surrogate: Bromofluorobenzene		116 %	70-130	10	0/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	10	0/08/24	10/09/24	
Surrogate: Toluene-d8		111 %	70-130	10	0/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: AF			Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0	1	10	0/08/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10	0/08/24	10/09/24	
Surrogate: n-Nonane		82.6 %	50-200	10	0/08/24	10/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: DT			Batch: 2441027
Chloride	56.8	20.0	1	10	0/08/24	10/08/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

SW04 @ 0-3' E410061-09

		E410001-09					
Austra	Result	Reporting Limit		ution	Prepared	A a b d	Notes
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2441024
Benzene	ND	0.0250		1	10/08/24	10/09/24	
Ethylbenzene	ND	0.0250		1	10/08/24	10/09/24	
Toluene	ND	0.0250		1	10/08/24	10/09/24	
o-Xylene	ND	0.0250		1	10/08/24	10/09/24	
p,m-Xylene	ND	0.0500		1	10/08/24	10/09/24	
Total Xylenes	ND	0.0250		1	10/08/24	10/09/24	
Surrogate: Bromofluorobenzene		113 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		110 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/08/24	10/09/24	
Surrogate: Bromofluorobenzene		113 %	70-130		10/08/24	10/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		10/08/24	10/09/24	
Surrogate: Toluene-d8		110 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0		1	10/08/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/08/24	10/09/24	
Surrogate: n-Nonane		92.1 %	50-200	·	10/08/24	10/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2441027
Chloride	154	20.0		1	10/08/24	10/08/24	

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS40 @ 0.5' E410061-10

		E410001-10					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Г	Y		Batch: 2441024
Benzene	ND	0.0250	1		10/08/24	10/10/24	
Ethylbenzene	ND	0.0250	1		10/08/24	10/10/24	
Toluene	ND	0.0250	1		10/08/24	10/10/24	
o-Xylene	ND	0.0250	1		10/08/24	10/10/24	
p,m-Xylene	ND	0.0500	1		10/08/24	10/10/24	
Total Xylenes	ND	0.0250	1		10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		10/08/24	10/10/24	
Surrogate: Toluene-d8		109 %	70-130		10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		114 %	70-130		10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		10/08/24	10/10/24	
Surrogate: Toluene-d8		109 %	70-130		10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: A	AF		Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0	1		10/08/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1		10/08/24	10/09/24	
Surrogate: n-Nonane		91.9 %	50-200		10/08/24	10/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: [DT		Batch: 2441027
Chloride	208	20.0	1		10/08/24	10/08/24	



Matador Resources, LLC.Project Name:Grevey Com TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo10/14/2024 12:16:40PM

FS36 @ 3' E410061-11

		2.10001 11				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: IY	<u> </u>	Batch: 2441024
Benzene	ND	0.0250	1	10/08/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/08/24	10/10/24	
Toluene	ND	0.0250	1	10/08/24	10/10/24	
o-Xylene	ND	0.0250	1	10/08/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/08/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	10/08/24	10/10/24	
Surrogate: Toluene-d8		109 %	70-130	10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		115 %	70-130	10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	10/08/24	10/10/24	
Surrogate: Toluene-d8		109 %	70-130	10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: AF		Batch: 2441022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/24	10/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/08/24	10/09/24	
Surrogate: n-Nonane		86.9 %	50-200	10/08/24	10/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2441027
Chloride	96.7	20.0	1	10/08/24	10/08/24	

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS42 @ 0.5' E410061-12

	E410061-12				
	Reporting				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: IY		Batch: 2441024
ND	0.0250	1	10/08/24	10/10/24	
ND	0.0250	1	10/08/24	10/10/24	
ND	0.0250	1	10/08/24	10/10/24	
ND	0.0250	1	10/08/24	10/10/24	
ND	0.0500	1	10/08/24	10/10/24	
ND	0.0250	1	10/08/24	10/10/24	
	117 %	70-130	10/08/24	10/10/24	
	96.7 %	70-130	10/08/24	10/10/24	
	109 %	70-130	10/08/24	10/10/24	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2441024
ND	20.0	1	10/08/24	10/10/24	
	117 %	70-130	10/08/24	10/10/24	
	96.7 %	70-130	10/08/24	10/10/24	
	109 %	70-130	10/08/24	10/10/24	
mg/kg	mg/kg	A	nalyst: AF		Batch: 2441022
ND	25.0	1	10/08/24	10/09/24	
ND	50.0	1	10/08/24	10/09/24	
	89.8 %	50-200	10/08/24	10/09/24	
mg/kg	mg/kg	A	nalyst: DT		Batch: 2441027
64.2	20.0	1	10/08/24	10/08/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 II7 % 96.7 % 109 % mg/kg ND 20.0 II7 % 96.7 % 109 % mg/kg MD 25.0 ND 50.0 89.8 % mg/kg mg/kg mg/kg	Reporting Result Limit Diluti mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 117 % 70-130 70-130 96.7 % 70-130 1 mg/kg mg/kg A ND 20.0 1 117 % 70-130 70-130 96.7 % 70-130 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 89.8 % 50-200 mg/kg mg/kg A	Reporting Result Limit Dilution Prepared mg/kg Manalyst: IY ND 0.0250 1 10/08/24 ND 0.0250 1 10/08/24 ND 0.0250 1 10/08/24 ND 0.0250 1 10/08/24 ND 0.0500 1 10/08/24 ND 0.0250 1 10/08/24 ND 70-130 10/08/24 96.7 % 70-130 10/08/24 109 % 70-130 10/08/24 mg/kg mg/kg Analyst: IY ND 20.0 1 10/08/24 109 % 70-130 10/08/24 109 % 70-130 10/08/24 109 % 70-130 10/08/24 mg/kg mg/kg Analyst: AF ND 25.0 1 10/08/24 ND 50.0 1 10/08/24 89.8 % 50-200 10/08/24 <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0500 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 96.7 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/10/24 mg/kg mg/kg Analyst: IY 10/10/24 109 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0500 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 ND 0.0250 1 10/08/24 10/10/24 96.7 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/10/24 mg/kg mg/kg Analyst: IY 10/10/24 109 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/10/24 109 % 70-130 10/08/24 10/



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS37 @ 0.5' E410061-13

		E410061-13				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2441024
Benzene	ND	0.250	10	10/08/24	10/10/24	
Ethylbenzene	8.50	0.250	10	10/08/24	10/10/24	
Toluene	5.96	0.250	10	10/08/24	10/10/24	
p-Xylene	26.3	0.250	10	10/08/24	10/10/24	
p,m-Xylene	64.5	0.500	10	10/08/24	10/10/24	
Total Xylenes	90.8	0.250	10	10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		122 %	70-130	10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	10/08/24	10/10/24	
Surrogate: Toluene-d8		107 %	70-130	10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	907	200	10	10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		122 %	70-130	10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	10/08/24	10/10/24	
Surrogate: Toluene-d8		107 %	70-130	10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2441022
Diesel Range Organics (C10-C28)	9670	25.0	1	10/08/24	10/09/24	
Oil Range Organics (C28-C36)	2980	50.0	1	10/08/24	10/09/24	
Surrogate: n-Nonane		170 %	50-200	10/08/24	10/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2441027
Chloride	2160	40.0	2	10/08/24	10/08/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS41 @ 0.5'

		E410061-14					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Benzene	ND	0.0500	2	2	10/08/24	10/10/24	
Ethylbenzene	0.266	0.0500	3	2	10/08/24	10/10/24	
Toluene	0.0600	0.0500	3	2	10/08/24	10/10/24	
o-Xylene	0.997	0.0500	2	2	10/08/24	10/10/24	
p,m-Xylene	0.171	0.100	2	2	10/08/24	10/10/24	
Total Xylenes	1.17	0.0500	2	2	10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		125 %	70-130		10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		10/08/24	10/10/24	
Surrogate: Toluene-d8		108 %	70-130		10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
Gasoline Range Organics (C6-C10)	95.5	40.0	2	2	10/08/24	10/10/24	
Surrogate: Bromofluorobenzene		125 %	70-130		10/08/24	10/10/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		10/08/24	10/10/24	
Surrogate: Toluene-d8		108 %	70-130		10/08/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2441022
Diesel Range Organics (C10-C28)	1490	25.0		1	10/08/24	10/11/24	
Oil Range Organics (C28-C36)	594	50.0		1	10/08/24	10/11/24	
Surrogate: n-Nonane		120 %	50-200		10/08/24	10/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2441027
Chloride	982	40.0		2	10/08/24	10/08/24	



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

FS47 @ 0.5' E410061-15

	E410001-13					
Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
ND	0.0250		1	10/08/24	10/10/24	
0.0835	0.0250		1	10/08/24	10/10/24	
0.0475	0.0250		1	10/08/24	10/10/24	
0.298	0.0250		1	10/08/24	10/10/24	
0.591	0.0500		1	10/08/24	10/10/24	
0.888	0.0250		1	10/08/24	10/10/24	
	121 %	70-130		10/08/24	10/10/24	
	95.3 %	70-130		10/08/24	10/10/24	
	110 %	70-130		10/08/24	10/10/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2441024
38.4	20.0		1	10/08/24	10/10/24	
	121 %	70-130		10/08/24	10/10/24	
	95.3 %	70-130		10/08/24	10/10/24	
	110 %	70-130		10/08/24	10/10/24	
mg/kg	mg/kg		Analyst:	AF		Batch: 2441022
1710	25.0		1	10/08/24	10/11/24	
596	50.0	<u> </u>	1	10/08/24	10/11/24	
	106 %	50-200		10/08/24	10/11/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2441027
2 2	<u> </u>					
	ND 0.0835 0.0475 0.298 0.591 0.888 mg/kg 38.4	Result Limit mg/kg mg/kg ND 0.0250 0.0835 0.0250 0.0475 0.0250 0.591 0.0500 0.888 0.0250 121 % 95.3 % 110 % mg/kg mg/kg 38.4 20.0 121 % 95.3 % 110 % mg/kg mg/kg 1710 25.0 596 50.0	mg/kg mg/kg ND 0.0250 0.0835 0.0250 0.0475 0.0250 0.298 0.0250 0.591 0.0500 0.888 0.0250 121 % 70-130 95.3 % 70-130 110 % 70-130 mg/kg mg/kg 121 % 70-130 95.3 % 70-130 110 % 70-130 mg/kg mg/kg 1710 25.0 596 50.0	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 0.0835 0.0250 1 0.0475 0.0250 1 0.298 0.0250 1 0.591 0.0500 1 0.888 0.0250 1 121 % 70-130 95.3 % 70-130 mg/kg mg/kg Analyst: 38.4 20.0 1 121 % 70-130 1 95.3 % 70-130 1 mg/kg mg/kg Analyst: 110 % 70-130 1 mg/kg mg/kg Analyst: 1710 25.0 1 596 50.0 1 106 % 50-200	Reporting Mesult Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/08/24 0.0835 0.0250 1 10/08/24 0.0475 0.0250 1 10/08/24 0.298 0.0250 1 10/08/24 0.591 0.0500 1 10/08/24 0.888 0.0250 1 10/08/24 95.3 % 70-130 10/08/24 110 % 70-130 10/08/24 110 % 70-130 10/08/24 121 % 70-130 10/08/24 95.3 % 70-130 10/08/24 110 % 70-130 10/08/24 110 % 70-130 10/08/24 110 % 70-130 10/08/24 110 % 70-130 10/08/24 106 % 50-200 1 10/08/24 106 % 50-200 10/08/24	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/08/24 10/10/24 0.0835 0.0250 1 10/08/24 10/10/24 0.0475 0.0250 1 10/08/24 10/10/24 0.298 0.0250 1 10/08/24 10/10/24 0.591 0.0500 1 10/08/24 10/10/24 0.888 0.0250 1 10/08/24 10/10/24 95.3 % 70-130 10/08/24 10/10/24 110 % 70-130 10/08/24 10/10/24 110 % 70-130 10/08/24 10/10/24 121 % 70-130 10/08/24 10/10/24 10 % 70-130 10/08/24 10/10/24 10 % 70-130 10/08/24 10/10/24 110 % 70-130 10/08/24 10/10/24 110 % 70-130 10/08/24 10/10/24

QC Summary Data

Matador Resources, LLC. Project Name: Grevey Com TB
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002
Dallas TX, 75240 Project Manager: Ashley Giovengo 10/14/2024 12:16:40PM

Dallas 1A, /3240		Project Manage	r: As	sniey Gioveng	30			10/1	4/2024 12.10.40F
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441024-BLK1)							Prepared: 10	0/08/24 Analy	yzed: 10/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.578		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			
LCS (2441024-BS1)							Prepared: 10	0/08/24 Analy	yzed: 10/09/24
Benzene	2.50	0.0250	2.50		100	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.54	0.0250	2.50		101	70-130			
p,m-Xylene	5.05	0.0500	5.00		101	70-130			
Total Xylenes	7.59	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			
Matrix Spike (2441024-MS1)				Source:	E410061-	08	Prepared: 10	0/08/24 Analy	yzed: 10/09/24
Benzene	2.62	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.58	0.0250	2.50	ND	103	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.61	0.0250	2.50	ND	104	43-135			
o,m-Xylene	5.27	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.88	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.584		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			
Matrix Spike Dup (2441024-MSD1)				Source:	E410061-	08	Prepared: 1	0/08/24 Analy	yzed: 10/09/24
Benzene	2.56	0.0250	2.50	ND	102	48-131	2.36	23	
Ethylbenzene	2.50	0.0250	2.50	ND	99.9	45-135	3.08	27	
Toluene	2.55	0.0250	2.50	ND	102	48-130	2.81	24	
o-Xylene	2.59	0.0250	2.50	ND	104	43-135	0.615	27	
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	1.61	27	
Total Xylenes	7.78	0.0250	7.50	ND	104	43-135	1.28	27	
Surrogate: Bromofluorobenzene	0.590		0.500		118	70-130			



0.500

0.500

93.9

107

70-130

70-130

0.470

0.537

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Grevey Com TB Matador Resources, LLC. Project Name: Reported: Project Number: 23003-0002 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240 Project Manager: Ashley Giovengo 10/14/2024 12:16:40PM

	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2441024-BLK1)]	Prepared: 1	0/08/24 Analy	zed: 10/09/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.578		0.500		116	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130				
Surrogate: Toluene-d8	0.547		0.500		109	70-130				
LCS (2441024-BS2)							Prepared: 10	0/08/24 Analy	zed: 10/09/24	

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130	
Surrogate: Bromofluorobenzene	0.590		0.500		118	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130	
Surrogate: Toluene-d8	0.563		0.500		113	70-130	
Matrix Spike (2441024-MS2)				Source: 1	E410061-0	08	Prepared: 10/08/24 Analyzed: 10/09/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	88.9	70-130	
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130	

0.500

0.463

92.5

70 - 130

Surrogate: Toluene-d8	0.552		0.500		110	70-130			
Matrix Spike Dup (2441024-MSD2)				Source: E410061-08			Prepared: 10/08/24 Analyzed: 10/09/24		
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	87.9	70-130	1.11	20	
Surrogate: Bromofluorobenzene	0.588		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			

QC Summary Data

Matador Resources, LLC.	Project Name:	Grevey Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	· ·
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/2024 12:16:40PM

Danas 1X, 73240		1 Toject Wianage	7 10	mey Gloveng	30			10/	172021 12.10.101
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441022-BLK1)							Prepared: 1	0/08/24 Anal	yzed: 10/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.3		50.0		90.7	50-200			
LCS (2441022-BS1)							Prepared: 1	0/08/24 Anal	yzed: 10/08/24
Diesel Range Organics (C10-C28)	244	25.0	250		97.8	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			
Matrix Spike (2441022-MS1)				Source:	E410061-0	03	Prepared: 1	0/08/24 Anal	yzed: 10/08/24
Diesel Range Organics (C10-C28)	1310	25.0	250	1270	14.5	38-132			M4
Surrogate: n-Nonane	56.1		50.0		112	50-200			
Matrix Spike Dup (2441022-MSD1)				Source:	E410061-0	03	Prepared: 1	0/08/24 Anal	yzed: 10/08/24
Diesel Range Organics (C10-C28)	1400	25.0	250	1270	52.1	38-132	6.93	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			

Matrix Spike Dup (2441027-MSD1)

Chloride

1040

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		revey Com TI 3003-0002	3				Reported:
Dallas TX, 75240		Project Manager	r: A	shley Gioveng	go			10	/14/2024 12:16:40PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441027-BLK1)							Prepared: 1	0/08/24 Ana	alyzed: 10/08/24
Chloride	ND	20.0							
LCS (2441027-BS1)							Prepared: 1	0/08/24 Ana	alyzed: 10/08/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2441027-MS1)				Source:	E410061-	03	Prepared: 1	0/08/24 Ana	alyzed: 10/08/24
Chloride	1040	20.0	250	752	115	80-120			

250

20.0

Source: E410061-03

114

80-120

0.104

752

QC Summary Report Comment:

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



Prepared: 10/08/24 Analyzed: 10/08/24

20

Definitions and Notes

Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/14/24 12:16

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

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

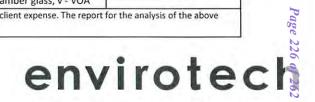
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	Clie	nt Inforn	nation		Invoice !	Information				La	b Us	e Or	ily				TA	T			Sta	te	
Project:		ey Com 1	ГВ		Company: Ensolum	onal Parks Hwy			1100 WOH	# 5 6	1	Job 23	Num 03	ber • 00	2	1D	2D	3D St	:d	NM X	CO UT	TX	
	Manager: As 3122 Natio				City, State, Zip: Carl Phone: 575-988-00		.0	-			-	Δna	lysis	and	Met	hod				FD	A Progr	am	
	te, Zip: Carls				Email: agiovengo@							Alle	nalysis and Me			liou			SI	OWA	CWA	RCR	Δ
	575-988-005		COLLO		Miscellaneous:	e chonamicon													-			Titori	-
	giovengo@e	The second second	com		7.10.20				15	15									Cor	npliand	e Y	or	N
_						3			08 Ac	oy 80	21	0	0.0	2	X	tals			PW	/SID#			
			r - r	Sample Inform	nation		L J		88	NO I	oy 80	y 826	Je 30	Z -	- 500	8 Me							
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field Filter Z	Lab umber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remark	3	
11:40	10/4/2024	Soil	1		SW02 @ 0-0.5'			1						X									
14:02	10/4/2024	Soil	1		FS27 @ 2'			2						х	fi								
12:00	10/4/2024	Soil	1		FS38 @ 2'			3						х									
11:02	10/4/2024	Soil	1		BH11 @ 4'			4						х									
10:46	10/4/2024	Soil	1		SW03 @ 0-3'			5						х									
12:44	10/4/2024	Soil	1		FS34 @ 3'	- 1		6						х									
14:16	10/4/2024	Soil	1		FS39 @ 0.5-1'			7						х									
11:48	10/4/2024	Soil	1		BH11 @ 6'			8						х									
11:45	10/4/2024	Soil	1		SW04 @ 0-3'			9						х									
10:00	10/4/2024	Soil	1		FS40 @ 0.5'			10						х									
0.000	nal Instructions@ensolum		ase CC: cb	urton@ensolum.	com, agiovengo@enso	olum.com, cha	milton@	ensol	lum.c	om,	iestr	ella@	ens	olum	.com	ı, bd	eal@	ensolu	m.cor	m,			
I, (field sam	pler), attest to the	e validity an	d authenticity	of this sample. I am awa	are that tampering with or inte	entionally mislabeling	the sampl	e locatio	n, date	or time	e of co	llectio	n is co	nsidere	ed frau	d and r	may be	grounds t	for legal	action.			
Carrier State of the Control of the	:Chad Ham			Contuez								_											
1	ned by: (Signatu		Date	-7-24070	O Received by: (Signat	Gonzales	Date 10	124	Time	70	2			sample		ceived ;					on ice the da out less than		
Relinquish	red by (Signatu	re) songoil	es lo	724 Time	Received by: (Signat	iture)	Date 10.7	2.24	Time 13	25	-			Rece	eived	on i	ce:	_	Use O N	nly			
Relinquist	ned by: (Signatu	re)	Date	724 2059	Received by: Vignat	Mon	10 /	3/24	Time	:00)			<u>T1</u>				T2			T3		
Relinquish	ned by: (Signatu	re)	Date	Time	Received by: (Signat	iture)	Date		Time					AVIC	T	00		4			-		

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.



Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA



Chain	of	Custo	d
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	Clie	nt Inforn	nation			Invoice Information	n			L	ab U	se On	ily				TA	AT .		State	e
					mpany: Ensolum LLC		La	ab WC	D#		Job	Num	ber	_	1D	2D	3D Sto	NM	co ut	TX	
Project:	Grev	ey Com	ГВ		Ac	Idress: 3122 National Parks I	Hwy	F	41	200	1	23	Num S00	. Da	12			Х	X		
Project N	Manager: As	hley Giov	vengo		Cit	y, State, Zip: Carlsbad NM, 8	38220						541								
Address:	3122 Natio	nal Parks	Hwy		Ph	one: 575-988-0055						Ana	lysis	and	Met	hod			E	PA Progra	am
City, Sta	te, Zip: Carls	bad NM,	88220		Er	nail: agiovengo@ensolum.o	com												SDWA	CWA	RCRA
Phone:	575-988-005	5			Mis	scellaneous:															
Email: a	giovengo@e	nsolum.	com						15	8015				-					Complian	ce Y	or N
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				Samı	ole Informati	on			2	ROb	/ 802	826	e 30	Z	05 - 1	Met					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	er DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	
12:58	10/4/2024	Soil	1			FS36 @ 3'		11						х							
10:35	10/4/2024	Soil	1			FS42 @ 0.5'		12						х							
10:10	10/4/2024	Soil	1		- 47	FS37 @ 0.5'	1	13						х							
10:02	10/4/2024	Soil	1			FS41 @ 0.5'	7	14						х							
10:06	10/4/2024	Soil	1			FS47 @ 0.5'		5	1					х							
																					-
														V							
Addition	nal Instruction	ns: Ple	ase CC: cb	urton@e	nsolum.com	, agiovengo@ensolum.com,	chamilto	n@ens	olum	.com.	iestr	ella@	Dens	olum	.con	n. bd	eal@	ensolun	n.com.	-	
	ns@ensolun		215153014			, -58			- 1500		14.54			20702				21.57			
		e validity an	d authenticity	of this samp	le. I am aware tha	at tampering with or intentionally mislab	peling the sa	mple locat	tion, da	te or tim	e of co	llection	n is cor	nsidere	d frau	dand	may be	grounds fo	r legal action.		
Sampled by	r:Chad Han	nilton	tig mic	o Can	27113																
Relinquish	ned by: (Signatu	re)	Date	7-74	0700	Received by: (Signature)	Date	724	Tim	670	7			111111111111111111111111111111111111111					ust be received g temp above 0		
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Relinquish	ned by: (Signatu	ire)	Date		Time	Received by: (Signature)	Date		Tim	ne				AVG	Ten	np °C	4	1			
Sample Ma	trix: S - Soil, Sd - S	Solid, Sg - Slu	idge, A - Aque	ous, O - Othe	r		Con	tainer T	ype: g	- glass	, p -	ooly/p	olasti					- VOA			
Note: San	ples are discar	ded 14 day	s after result	s are repor	ted unless othe	r arrangements are made. Hazardo													for the ana	ysis of the	above
samples is	applicable only	y to those	samples rece	ived by the	laboratory with	this COC. The liability of the labora	atory is lim	ited to th	e amo	unt pai	d for d	on the	repor	t.							





Printed: 10/8/2024 11:53:52AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/08/24	08:00		Work Order ID:	E410061
Phone:	(972) 371-5200	Date Logged In:	10/08/24	08:10		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/14/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mate	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	`ourier		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	carrer. <u>c</u>	Journer		
	Il samples received within holding time?	,	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
		temperature. 1	<u>~</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	• • • • • • • • • • • • • • • • • • • •	ers conected:	168				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	illiation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	w9	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	· NA		
		so who:	1471	Subcontract Lau). IVA		
Client In	<u>astruction</u>						

Page 28 of 28

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Grevey Com TB

Work Order: E410239

Job Number: 23003-0002

Received: 10/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/24/24

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

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

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

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

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

Date Reported: 10/24/24

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

Project Name: Grevey Com TB

Workorder: E410239

Date Received: 10/22/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/22/2024 7:45:00AM, under the Project Name: Grevey Com TB.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Γ	Matador Resources, LLC.	Project Name:	Grevey Com TB	D
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/24 11:05

Client Sample ID	Lab Sample ID M	Iatrix	Sampled	Received	Container
FS46 - 2.5'	E410239-01A	Soil	10/18/24	10/22/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Grevey Com TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/2024 11:05:08AM

FS46 - 2.5' E410239-01

	E410239-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: CG		Batch: 2443028
ND	0.0250	1	10/22/24	10/23/24	
ND	0.0250	1	10/22/24	10/23/24	
ND	0.0250	1	10/22/24	10/23/24	
ND	0.0250	1	10/22/24	10/23/24	
ND	0.0500	1	10/22/24	10/23/24	
ND	0.0250	1	10/22/24	10/23/24	
	103 %	70-130	10/22/24	10/23/24	
mg/kg	mg/kg	Anal	yst: CG		Batch: 2443028
ND	20.0	1	10/22/24	10/23/24	
	89.8 %	70-130	10/22/24	10/23/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2443030
ND	25.0	1	10/22/24	10/22/24	
ND	50.0	1	10/22/24	10/22/24	
	92.7 %	50-200	10/22/24	10/22/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2443043
68.4	20.0	1	10/22/24	10/22/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 I03 % mg/kg Mg/kg mg/kg ND 20.0 89.8 % mg/kg ND 25.0 ND 50.0 92.7 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Anal ND 20.0 1 89.8 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 92.7 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: CG ND 0.0250 1 10/22/24 ND 0.0250 1 10/22/24 ND 0.0250 1 10/22/24 ND 0.0500 1 10/22/24 ND 0.0250 1 10/22/24 ND 0.0250 1 10/22/24 mg/kg mg/kg Analyst: CG ND 20.0 1 10/22/24 mg/kg mg/kg Analyst: NV ND 25.0 1 10/22/24 ND 50.0 1 10/22/24 ND 50.0 1 10/22/24 MD 50.0 1 10/22/24 MD 50.0 1 10/22/24 mg/kg mg/kg Analyst: WF	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: CG ND 0.0250 1 10/22/24 10/23/24 ND 0.0250 1 10/22/24 10/23/24 ND 0.0250 1 10/22/24 10/23/24 ND 0.0500 1 10/22/24 10/23/24 ND 0.0250 1 10/22/24 10/23/24 ND 0.0250 1 10/22/24 10/23/24 mg/kg mg/kg Analyst: CG Analyst: CG ND 20.0 1 10/22/24 10/23/24 mg/kg mg/kg Analyst: NV Analyst: NV ND 25.0 1 10/22/24 10/22/24 ND 50.0 1 10/22/24 10/22/24 ND 50.0 1 10/22/24 10/22/24 ND 50.0 1 10/22/24 10/22/24 ND <

QC Summary Data

		•	
Matador Resources, LLC.	Project Name:	Grevey Com TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/2024 11:05:08AM
	Volotile Orga	nics by FPA 9021R	

Dallas TX, 75240		Project Manager		shley Giovengo	o			10/	24/2024 11:05:08AN
Volatile Organics by EPA 8021B Analyst: CG									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443028-BLK1)							Prepared: 1	0/22/24 Ana	lyzed: 10/22/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		101	70-130			
LCS (2443028-BS1)							Prepared: 10	0/22/24 Ana	lyzed: 10/22/24
Benzene	4.10	0.0250	5.00		81.9	70-130			
Ethylbenzene	3.96	0.0250	5.00		79.2	70-130			
Toluene	4.05	0.0250	5.00		81.0	70-130			
p-Xylene	3.97	0.0250	5.00		79.4	70-130			
p,m-Xylene	8.08	0.0500	10.0		80.8	70-130			
Total Xylenes	12.1	0.0250	15.0		80.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			
Matrix Spike (2443028-MS1)				Source: I	E 410238 -	07	Prepared: 10	0/22/24 Ana	lyzed: 10/23/24
Benzene	5.43	0.0250	5.00	ND	109	54-133			
Ethylbenzene	5.30	0.0250	5.00	ND	106	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.33	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			
Matrix Spike Dup (2443028-MSD1)				Source: I	E410238-	07	Prepared: 1	0/22/24 Ana	lyzed: 10/22/24
Benzene	5.21	0.0250	5.00	ND	104	54-133	4.10	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	4.37	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	4.34	20	
o-Xylene	5.10	0.0250	5.00	ND	102	63-131	4.35	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	4.44	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.41	20	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/24/2024 11:05:08AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			10/2	24/2024 11:05:08AN
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: CG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2443028-BLK1)							Prepared: 1	0/22/24 Anal	yzed: 10/22/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			
LCS (2443028-BS2)							Prepared: 1	0/22/24 Anal	yzed: 10/22/24
Gasoline Range Organics (C6-C10)	35.0	20.0	50.0		70.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
Matrix Spike (2443028-MS2)				Source:	E410238-	07	Prepared: 1	0/22/24 Anal	yzed: 10/23/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
Matrix Spike Dup (2443028-MSD2)				Source:	E410238-	07	Prepared: 1	0/22/24 Anal	yzed: 10/22/24
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	80.9	70-130	6.39	20	

8.00

7.20

90.0

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Grevey Com TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo10/24/2024 11:05:08AM

	Project Manager	r: As	mey Gloveng	,0			1	0/24/2024 11.03.06A
Nonha	logenated Or	ganics by l	EPA 8015D	- DRO	ORO			Analyst: NV
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 1	0/22/24 Aı	nalyzed: 10/22/24
ND	25.0							
ND	50.0							
43.1		50.0		86.2	50-200			
						Prepared: 1	0/22/24 Aı	nalyzed: 10/22/24
260	25.0	250		104	38-132			
48.3		50.0		96.6	50-200			
			Source:	E410239-0	01	Prepared: 1	0/22/24 Aı	nalyzed: 10/22/24
286	25.0	250	ND	114	38-132			
50.6		50.0		101	50-200			
			Source:	E410239-0	01	Prepared: 1	0/22/24 Aı	nalyzed: 10/22/24
270	25.0	250	ND	108	38-132	5.75	20	
	Result mg/kg ND ND 43.1 260 48.3	Nonhalogenated Organization Reporting Limit mg/kg	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 8015E Result	Nonhalogenated Organics by EPA 8015D - DRO	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %

Matrix Spike (2443043-MS1)

Matrix Spike Dup (2443043-MSD1)

Chloride

Chloride

265

266

Prepared: 10/22/24 Analyzed: 10/22/24

Prepared: 10/22/24 Analyzed: 10/22/24

20

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		revey Com TI 3003-0002	3				Reported:
Dallas TX, 75240		Project Manager		Ashley Giovengo				1	0/24/2024 11:05:08AM
		Anions	by EPA	300.0/9056	4				Analyst: WF
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2443043-BLK1)							Prepared: 1	0/22/24 Ar	nalyzed: 10/22/24
Chloride	ND	20.0							
LCS (2443043-BS1)							Prepared: 1	0/22/24 Ar	nalyzed: 10/22/24
Chloride	250	20.0	250		100	90-110			

250

250

20.0

20.0

Source: E410238-04

Source: E410238-04

106

107

80-120

80-120

0.517

ND

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Grevey Com TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
١	Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/24 11:05

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain of Custody

	Clie	nt Inform	nation			Invoice Information					La		e On				TAT				State			
Client: M	atador Prod	uction Co	ompany			Company: Ensolum LLC			_ Lab \	NO#	24		Job N	lumi	per	,	1D 2D 3D Std				MM	CO UT	TX	
roject: (Grevey Com	ТВ				Address: 3122 National Parks Hwy			_ E4	Lab WO# Job Number 2303.0002						x			X	х				
	lanager: Ash				!	City, State, Zip: Carlsbad NM, 88	220		_															
	3122 Nation					Phone: 575-988-0055			-\[Ana	lysis	and	Met	thod				EPA Program			
City, State	e, Zip: Carlst	oad NM, 8	88220		L	Email: agiovengo@ensolum.co	m		_} [Į	SDWA	CWA	RCRA	
hone: 5	75-988-0055	<u> </u>				liscellaneous:													li	<u> </u>				
<u>Email: ag</u>	iovengo@er	<u>nsolum.co</u>	<u>om</u>		L				_	512	8015										Compliance	2 Y	or N	
							Œ			by 8015	by 8(72	ြု	0.0	Σ	¥	tals			L	PWSID#			
				Sam	ple Informa	tion	!	_		유	ROI	8 8	/ 826	te 30	2	- 50	. Me							
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	N	Lab umber	DRO/ORO	GRO/DRO	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks		
11:54	10/18/2024	S	1			FS46 - 2.5'			1						X						-	_		
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Addition	al Instruction	ns: Plea	ase CC: cbu	ırton@er	nsolum.com	, agiovengo@ensolum.com, ies	trella@	ens	solum.c	om,	chan	nilto	n@er	rsolu	ım.c	om, l	osim	mons	@en	solu	m.com			
		validity and	d authenticity	of this sampl	le. I am aware t	hat tampering with or intentionally mislabel	ng the sar	nple	location,	date o	r time	of coll	ection i	s cons	idered	fraud	and m	ay be (ground	s for le	gal action.		-	
	Cole Burton						- 1								le		AL -				* h	las aba day	thau and	
	ed by: (Signatur	e)	Date	121/24	Time 1:30	Received by: (Signature)	Date		1.24	Time	773 (0									it be received or temp above 0 bi			
Mil		ms	Date しし。	4-24	1830	Received by: (Signature)	Date	5.2	124	Time(33	30			Rec	eived	l on i	ce:		b Us N	e Only			
Relinguishe	(Signatur	e) y	Date	21.24	7400	vecesived by//Signature/	Date	El	7.24	Time 7.	45	5			<u>T1</u>				T2		<u> </u>	тз		
Relinquishe	ed by: (Signatur	e)	Date	<u>-</u>	Time	Received by: (Signature)	Date			Time					AVG	Ten	np °C	4)					
ample Mat	rix: S - Soil, Sd - S	clid, Sg - Sluc	dge, A - Aquec	ous, Q - Othe	<u>1</u> .		Cor	ıtair	ner Type	: g - 1	glass,	p - p	oly/pl	astic					· VOA					
Note: Sami	oles are discard	ed 14 days	after results	are report	ed unless othe	r arrangements are made. Hazardous sa															e analysis of	the above	e samples is	
						The liability of the laboratory is limited t																		

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

envirotect

envirotect

239

envirotech Inc.

Printed: 10/22/2024 11:05:09AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/22/24 0	7:45	Work Order ID:	E410239
Phone:	(972) 371-5200	Date Logged In:	10/21/24 1	6:27	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	10/28/24 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>rier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Commen</u>	uts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C	•		=			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	nois concerca.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	mation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
-	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: N	JA	
	struction					
Chem In	isti uction					

Date

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



APPENDIX E

NMOCD Correspondence

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

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

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

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

QUESTIONS

Action 366750

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	366750
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

Prerequisites	
Incident ID (n#)	nAPP2420059937
Incident Name	NAPP2420059937 GREVEY COM TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Grevey Com TB
Date Release Discovered	07/18/2024
Surface Owner	Private

Liner Inspection Event Information		
Please answer all the questions in this group.		
What is the liner inspection surface area in square feet	3,200	
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	07/26/2024	
Time liner inspection will commence	09:30 AM	
Please provide any information necessary for observers to liner inspection	Tank Containment	
Please provide any information necessary for navigation to liner inspection site	32.033410,-103.396000	

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

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

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

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

CONDITIONS

Action 366750

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	366750
	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.	7/24/2024

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

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

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

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

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

QUESTIONS

Action 386950

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386950
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2420059937
Incident Name	NAPP2420059937 GREVEY COM TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Grevey Com TB
Date Release Discovered	07/18/2024
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	7,967	
What is the estimated number of samples that will be gathered	50	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/30/2024	
Time sampling will commence	09:30 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.033410,-103.396000	

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

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

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

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

CONDITIONS

Action 386950

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386950
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/25/2024

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

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

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

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

QUESTIONS

Action 386952

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386952
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2420059937
Incident Name	NAPP2420059937 GREVEY COM TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Grevey Com TB
Date Release Discovered	07/18/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	7,967
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2024
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.033410,-103.396000

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

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

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

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

CONDITIONS

Action 386952

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386952
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/25/2024

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

QUESTIONS

Action 386953

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386953
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2420059937
Incident Name	NAPP2420059937 GREVEY COM TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Grevey Com TB
Date Release Discovered	07/18/2024
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	7,967	
What is the estimated number of samples that will be gathered	50	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/02/2024	
Time sampling will commence	09:30 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.033410,-103.396000	

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

CONDITIONS

Action 386953

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386953
	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.	9/25/2024

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

QUESTIONS

Action 386955

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386955
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2420059937
Incident Name	NAPP2420059937 GREVEY COM TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Grevey Com TB
Date Release Discovered	07/18/2024
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	7,967	
What is the estimated number of samples that will be gathered	50	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/03/2024	
Time sampling will commence	09:30 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.033410,-103.396000	

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

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

CONDITIONS

Action 386955

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386955
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		Condition Date
j_touche	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/25/2024

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

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

QUESTIONS

Action 386956

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386956
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2420059937
Incident Name	NAPP2420059937 GREVEY COM TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Grevey Com TB
Date Release Discovered	07/18/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	7,967
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/04/2024
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.033410,-103.396000

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

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

CONDITIONS

Action 386956

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	386956
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		Condition Date
j_touche	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/25/2024

From: Wells, Shelly, EMNRD

To: Ashley Giovengo; Arsenio Jones; Jason Touchet; Velez, Nelson, EMNRD

Cc: Cole Burton; Chad Hamilton; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] Extension Request - Grevey Com TB - Incident Number nAPP2420059937

Date: Friday, October 11, 2024 9:30:40 AM

Attachments: image001.png

image002.png image003.png

[**EXTERNAL EMAIL**]

Good morning Ashley,

The extension request for NAPP2420059937 GREVEY COM TB is approved. The new due date to submit your remediation plan or closure report to the OCD is December 20, 2024. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520|Shelly.Wells@emnrd.nm.gov

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

From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Thursday, October 10, 2024 11:59 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Arsenio Jones

<arsenio.jones@matadorresources.com>; Jason Touchet <jason.touchet@matadorresources.com>;

Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

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

Subject: [EXTERNAL] Extension Request - Grevey Com TB - Incident Number nAPP2420059937

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

All,

Matador Production Company (Matador) is requesting an extension of the current deadline of October 16, 2024, for submitting a remediation work plan or closure report required in

19.15.29.12.B.(1) NMAC at the Grevey Com TB (Site) (Incident Number nAPP2420059937). The release occurred on July 18, 2024, and approximately 529 barrels (bbls) of produced water were release inside the tank containment; 525 bbls were recovered. The subject matter release impacted areas surrounding the tank containment an overspray from the release impacted an off-pad area on the west side of the caliche pad. Ensolum personnel completed a liner integrity inspection on July 27, 2024, and conducted vertical delineation sampling beneath the containment liner on July 30, 2024. Excavation of the impacted areas began on September 30, 2024, and confirmation soil sampling activities was completed on October 04, 2024. Matador intends to submit a remediation work plan or closure report, after reviewing laboratory analytical results from confirmation soil sampling activities. Matador respectfully requests an extension until December 20, 2024.

Thanks,



"Your authenticity is your superpower." - Unknown

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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 400341

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400341
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Prerequisites	
Incident ID (n#)	nAPP2420059937
Incident Name	NAPP2420059937 GREVEY COM TB @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GREVEY COM TB
Date Release Discovered	07/18/2024
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 529 BBL Recovered: 525 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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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 400341

QUESTI	ONS (continued)
Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s The source of the release has been stopped	arety nazara that would result in injury. True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releating OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com

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 400341

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400341
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	4780	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	13557	
GRO+DRO (EPA SW-846 Method 8015M)	10557	
BTEX (EPA SW-846 Method 8021B or 8260B)	105.3	
Benzene (EPA SW-846 Method 8021B or 8260B)	8.5	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	09/30/2024	
On what date will (or did) the final sampling or liner inspection occur	10/18/2024	
On what date will (or was) the remediation complete(d)	10/18/2024	
What is the estimated surface area (in square feet) that will be reclaimed	4318	
What is the estimated volume (in cubic yards) that will be reclaimed	166	
What is the estimated surface area (in square feet) that will be remediated	4318	
What is the estimated volume (in cubic yards) that will be remediated	166	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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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 400341

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400341
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Jason Touchet Title: EHS Field Rep

Email: jason.touchet@matadorresources.com

Date: 11/07/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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 400341

QUESTIONS (continued)

OGRID:

MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	400341	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	
QUESTIONS		
Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes	
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Transfer pumps, Process piping, Lined Containment with oil and water tanks inside containment.	
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4318	
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	166	
	liately under or around production equipment such as production tanks, wellheads and pipelines where n may be deferred with division written approval until the equipment is removed during other operations, or when	
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	30-025-52038 GREVEY COM #111H	
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC	
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/07/2024	

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

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 6

Action 400341

QUESTIONS (continued)

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Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400341
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Sampling Event Information		
Last sampling notification (C-141N) recorded	392677	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/18/2024	
What was the (estimated) number of samples that were to be gathered	1	
What was the sampling surface area in square feet	7199	

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 400341

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400341
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of BH01, BH02, BH07, BH11, FS37, FS38, FS41, and FS47 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.	11/14/2024