E NSOLUM

November 20, 2024

New Mexico Energy Minerals and Natural Resources Department New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request Toque State Tank Battery Incident Number nAPP2410854853 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Toque State Tank Battery (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2410854853.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit L, Section 06, Township 21 South, Range 33 East, in Lea County, New Mexico (32.5076443°, -103.6146623°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (NMSLO).

On April 16, 2024, a flowline on pad ruptured, resulting in the release of approximately 23 barrels (bbls) of crude oil onto the caliche pad. A vacuum truck successfully recovered 7 bbls of crude oil. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal April 17, 2024, and submitted a Release Notification Form C-141 (Form C-141) on April 21, 2024. The release was assigned Incident Number nAPP2410854853. The Form C-141 can be referenced on the NMOCD Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, CP-02022 POD1, located approximately 344 feet south of the Site. The well had a reported depth to groundwater greater than 105 feet below ground surface (bgs) and a total

Toque State Tank Battery

E NSOLUM

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

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland area, located approximately 1.07 miles south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On April 17, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Two preliminary soil samples (SS02 and SS03) were collected around the release extent at ground surface to assess the lateral extent of the impacted area.

On May 17, 2024, and June 4, 2024, Ensolum personnel returned to the Site to continue Site assessment activities. Three boreholes (BH01 through BH03) were advanced within the release extent to assess the vertical extent of impacted soil; boreholes BH01 through BH03 were advanced to a depth of 1.5 feet bgs. Two preliminary soil samples (SS01 and SS04) were collected around the release extent at ground surface to assess the lateral extent of the impacted area.

The preliminary soil samples were field screened for chloride utilizing Mohr Method titration and Hach[®] Chloride QuanTab[®] test strips. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of delineation activities is included in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

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

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

From July 22 through 26, 2024, impacted soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a track hoe, hydrovac, hand digging, and belly dump trucks. The excavation occurred on the north side of the lined secondary tank containment and around associated production equipment. To direct excavation activities, Ensolum personnel screened soil for chloride utilizing chloride QuanTab[®] test strips and for TPH utilizing a PetroFLAG[®] soil analyzer system.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor of the scrape. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS19) were collected from the floor of the excavation at depths ranging from 1.5 feet to 8.5 feet bgs. Eight sidewall soil samples (SW01 through SW08) were collected every 200 square feet from the sidewalls of the excavation. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 3,880 square feet. A total of approximately 617 cubic yards of impacted soil was removed during the excavation activities. Approximately 100 cubic yards of the impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico; the remaining 517 cubic yards of impacted soil was transported and properly disposed of at the Lea Land Facility in Carlsbad, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples (SS01 through SS04) were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface. Laboratory analytical results for boreholes (BH01 through BH05) indicated all COCs were in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results for boreholes BH01 through BH03 indicated COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at 1.5 feet bgs.

Laboratory analytical results for excavation floor soil samples (FS01 through FS19) indicated all COC concentrations were compliant with the Site Closure Criteria at depths ranging from 1.5 feet to 8.5 feet bgs. Laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the April 2024 release of crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 105 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of

Toque State Tank Battery

human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2410854853.

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

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1
 Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2Soil Sample Analytical Results (Excavation Soil Samples)
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Lithologic / Soil Sampling Logs
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix E NMOCD Notifications



FIGURES

Released to Imaging: 3/10/2025 3:19:18 PM

Received by OCD: 11/20/2024 2:13:44 PM

Page 6 of 173



FIGURE

2



Delineation Soil Sample Locations Matador Production Company

Matador Production Company Toque State Tank Battery Incident Number: nAPP2410854853 Unit L, Section 06, T 21S, R 33E Lea County, New Mexico

Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Producti



Released to Imaging: 3/10/2025 3:19:18 PM

Environmental, Engineering and Hydrogeologic Consultants

Received by OCD: 11/20/2024 2:13:44 PM





TABLES

ENSOLUM

				Toqı Matado	TABLE 1 LE ANALYTICA ue State Tank Ba or Production Co County, New Me	ittery mpany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delir	neation Soil Sam	ples				
SS01	6/4/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
SS02	4/17/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.5
SS03	4/17/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	379
SS04	6/4/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
BH01	5/17/2024	0	3.1530	15.4130	120	11,800	4,140	11,920	16,060	8,810
BH01	5/17/2024	1.5	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.5
BH02	5/17/2024	0	<0.0250	<0.0500	676	26,100	8,670	9,346	35,446	4,760
BH02	5/17/2024	1.5	<0.0250	<0.0500	<20.0	56.9	<50.0	56.9	56.9	<20.0
BH03	5/17/2024	0	0.7260	4.8890	73.5	7,870	2,680	7,943.5	10,623.5	5,360
BH03	5/17/2024	1.5	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<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.

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

ENSOLUM

				Toqı Matado	TABLE 2 LE ANALYTICA ue State Tank Ba or Production Co County, New Me	ittery mpany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
		E		Excava	tion Floor Soil S	amples	1			
FS01	7/23/2024	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	73.0
FS02	7/23/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	46.6
FS03	7/23/2024	1.5	<0.0250	<0.0250	<20.0	29.5	<50.0	29.5	29.5	268
FS04	7/23/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	28.5
FS05	7/24/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	<20.0
FS06	7/25/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	26.4
FS07	7/25/2024	3	<0.0250	<0.0250	<20.0	154	65.5	154	219.5	53.5
FS08	7/25/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	51.7
FS09	7/25/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	84.5
FS10	7/24/2024	1.6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	40.7
FS11	7/25/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	27.5
FS12	7/24/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	29.9
FS13	7/24/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	78.2
FS14	7/25/2024	4-8.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	253
FS15	7/25/2024	3.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	866
FS16	7/25/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	1,680
FS17	7/25/2024	2.5	<0.0250	<0.0250	<20.0	397	170	397	567	748
FS18	7/24/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	<20.0
FS19	7/24/2024	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

ENSOLUM

GRO: Gasoline Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

DRO: Diesel Range Organics

ORO: Oil Range Organics

				Toqı Matado	TABLE 3 LE ANALYTICA Je State Tank Ba or Production Co County, New Me	ttery mpany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Sic	lewall Soil Samp	les	1			
SW01	7/23/2024	0-1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	<20.0
SW02	7/25/2024	0-3	<0.0250	<0.0250	<20.0	33.4	<50.0	33.4	33.4	25.5
SW03	7/25/2024	0-3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	<20.0
SW04	7/25/2024	0-3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	<20.0
SW05	7/25/2024	0-3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	89.7
SW06	7/25/2024	0-8.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	<20.0
SW07	7/25/2024	0-2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	71.3
SW08	7/25/2024	0-2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<25.0	86.3

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NO (W POD 1				WELL TAG ID N N/A	10		OSE FILE NO	ODI			
OCAT	WELL OWNER M Matador Prod				_			PHONE (OPTI	ONAL)			
I. GENERAL AND WELL LOCATION	WELL OWNER M R347 N26th F	No. 11. 12. 19	ADDRESS treet 2nd Floor					CITY Artesia		state NM	88210	ZIP
LAND V	WELL LOCATION		DE	GREES 32	minutes 30	SECON 23.9		• ACCURACY	REQUIRED: ONE TEN	TH OF A S	ECOND	
VERAL	(FROM GPS)	10.50		-103	36	51.		* DATUM RE	QUIRED: WGS 84			_
1. GE	and the second second second second		IG WELL LOCATION TO T 21S, R 33E, Lea,		LESS AND COMM	ON LANDM	ARKS – PLS	S (SECTION, TO	WNSHЛP, RANGE) WH	ERE AVA	ILABLE	
	LICENSE NO WD118	3	NAME OF LICENSED		ohn Scarborou	gh	-		NAME OF WELL DR John Sca		OMPANY D Drilling Inc	
	DRILLING STAR 11/12/202		DRILLING ENDED 11/12/2024	DEPTH OF CO	MPLETED WELL 105	(FT)		LE DEPTH (FT) 105	DEPTH WATER FIR:	ST ENCOU		
2	COMPLETED W	ELL IS:	artesian	DRY HOL	LE 🔲 SHALI	LOW (UNCO	NFINED)		STATIC WATER LEV	EL IN CO		LL (FT)
TION	DRILLING FLUI	D:	AIR		ADDIT	TVES - SPEC	IFY:					
RMA	DRILLING METH	HOD:	ROTARY		R 🗌 CABLI	E TOOL	🗌 отне	R - SPECIFY:				
2. DRILLING & CASING INFORMATION	DEPTH (fee	t bgl) TO	BORE HOLE DIAM (inches)	(include	MATERIAL A GRADE each casing strin sections of scree	ng, and	CON	ASING NECTION TYPE ling diameter)	CASING INSIDE DIAM. (inches)	THI	NG WALL CKNESS inches)	SLOT SIZE (inches)
& CAS	0	105	5.00	Hote	Soil Boring		(add coup	(ing clameter)				_
DNITT										-		
DRI		_				-		_			_	
Ē				1							_	
		-				-						-
												-
1.1	DEPTH (fee	t bgl)	BORE HOLE		ST ANNULAR				AMOUNT		метно	
RIAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZ	E-RANGE	BY INTE	BRVAL	(cubic feet)	-	PLACEN	AENT
AR MATE		_				D/A						
3. ANNULAR MATERIAL												
		a tere							CITATION CONTRACTOR			
FOR	OSE INTERNA	L USE			POD	NO.	_	WR-2 TRN	0 WELL RECORD	& LOG	(Version 04/3	0/19)
-	ATION				1.001	uce I	-	WELLTAG			PAGE	1 OF 2

WELL TAG ID NO.

LOCATION

- 1	DEPTH (f	eet bgl)		COLOR AND TYPE OF MATERIA	ENCOUNTERED -	W	ATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIE: (attach supplemental sheets to full	S OR FRACTURE ZONE	S BE	ARING? ES / NO)	WATER- BEARING ZONES (gpm)
1	0	10	10	Sand with Gravel, Red, Fine grained w	th small to large gravel	Y	√N	Particular A
	10	20	10	Sand with Gravel, Red, Fine grained w	th small to large gravel	Y	√N	
1	20	30	10	Silty Sand, Red, Fine g	rained	Y	√N	
1	30	40	10	Silty Sand, Red, Fine g	rained	Y	√ N	
	40	50	10	Silty Sand, Red, Fine g	rained	Y	✓N	
	50	60	10	Silty Gravel with Sand, Red, Very fine to Medi	um Grained with Large G	ravel Y	√N	
	60	70	10	Silty Gravel with Sand, Red, Very fine to Medi	um Grained with Large G	ravel Y	√ N	
; [70	80	10	Silty Gravel with Sand, Red, Very fine to Medi	um Grained with Large G	ravel Y	√ N	
	80	90	10	Silty Gravel with Sand, Red, Very fine to Medi	um Grained with Large G	ravel Y	🖌 N	
	90	100	10	Fat Clay with Gravel, Red, Very fine w	ith small to large gravel	Y	√ N	
	100	105	5	Fat Clay with Gravel, Red, Very fine w	ith small to large gravel	Y	√N	
	105	105	0	Fat Clay with Gravel, Red, Very fine w	ith small to large gravel	Y	√ N	
						Y	N	
						Y	N	
						Y	N	
	r.)					Y	N	
						Y	N	
					-	Y	N	
		1				Y	N	
						Y	N	
1	· · · · · · · · · · ·	1.1.1.1.				Y	N	
	METHOD U			O OF WATER-BEARING STRATA:		TOTAL ES WELL YIE	TIMATED LD (gpm):	0.00
	WELL TES	TEOT	PESIII TS - ATT	ACH A COPY OF DATA COLLECTED DURIN ME, AND A TABLE SHOWING DISCHARGE	NG WELL TESTING, IN AND DRAWDOWN OV	CLUDING DI ER THE TES	SCHARGE	METHOD, OD.
TEST NO SOL EVA ISON	MISCELLA		FORMATION: T	emporary well material removed and soil be elow ground surface (bgs), then hydrated be	ring backfilled using d	rill cuttings	from total d	
	PRINT NAM	1E(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PROVIDED ONSITE SUPE	RVISION OF WELL CON	ISTRUCTION	N OTHER T	HAN LICENSE
9. SIGNALUKE	DECORD O	F THE ABO ORD WILL	OVE DESCRIBEI	IAT TO THE BEST OF MY KNOWLEDGE O WELL. I ALSO CERTIFY THAT THE WELL O WITH THE PERMIT HOLDER WITHIN 30 D	TAG. IF REOUIRED, H.	AS BEEN IN:	WELL DRII	ND THAT THE
	1.00	SIGNA	TURE OF DRILL	ER / PRINT SIGNEE NAME		-	DATE	
FO	R OSE INTER	NAL USE			WR-20 W	ELL RECORI	& LOG (V	ersion 04/30/20
	ENO.			POD NO	TRN NO.			
гIL								PAGE 2 OF



APPENDIX B

Photographic Log

Released to Imaging: 3/10/2025 3:19:18 PM













APPENDIX C

Lithologic Soil Sampling Logs

Released to Imaging: 3/10/2025 3:19:18 PM

LI Coordinates: 32 Comments: Field	ITHOLOGI 2.50766, -103	S O		Μ	Sample Name: BH01 Site Name: Toque State Com #50 Incident Number: nAPP24108548 Job Number: 03A2270041	
LI Coordinates: 32 Comments: Field	ITHOLOGI 2.50766, -103	C / SOIL SAMPLIN		Μ	Incident Number: nAPP24108548	
LI Coordinates: 32 Comments: Field	ITHOLOGI 2.50766, -103	C / SOIL SAMPLIN				53
Coordinates: 32 Comments: Field	2.50766, -103				Job Number: 03A2270041	
Coordinates: 32 Comments: Field	2.50766, -103				Lessed Drug Lessed Cat. U	
Comments: Field		61461	GLUG		Logged By: Israel Estrella Hole Diameter: 3"	Method: Hand Auger Total Depth: 1.5'
	l screening co		Chloride Test		PID for chloride and vapor, respec	
	-	actor of soil to distille		•		
200	Vapor (ppm) Staining	OSampleadDepthEg(ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
М	Y	BH01 0	0	CCHE	Moist, Caliche, Dark Stain, No	n Plyable, Non Plasticity
M ND	N	BH01 1 BH01 1.5	+ + - 1 -	SP-SM	Moist, Red Sand, No Stain, No	n Plyable, Non Plasticity
			Total De	oth @ 1.	5 ft bgs.	

				Sample Name: BH02	Date: 5/17/24
ICI F	NS	OLU	M	Site Name: Toque State Com #502	
				Incident Number: nAPP24108548	53
				Job Number: 03A2270041	
LITH		SAMPLING LOG		Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.507				Hole Diameter: 3"	Total Depth: 1.5'
	-	with HACH Chloride Test vil to distilled water. No	•	PID for chloride and vapor, respect factors included.	ively. Chloride test
Moisture <u>Content</u> Chloride (ppm) Vapor	(ppm) Staining Sample ID	Sample Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
M	Y BH02		CCHE	Moist, Caliche, Dark Stain, No	n Plyable, Non Plasticity
M ND	N BH02 N BH02	$ \begin{array}{c} $	SP-SM	Moist, Red Sand, No Stain, No	n Plyable, Non Plasticity
		Total De	epth @ 1.	5 ft bgs.	

LI Coordinates: 32.	E N	SOI	LU	Μ	Sample Name: BH03 Site Name: Toque State Com #50 Incident Number: nAPP24108548	
LI Coordinates: 32.			LU	Μ	Incident Number: nAPP24108548	
LI Coordinates: 32.						53
Coordinates: 32.	THOLOGIC	-				
Coordinates: 32.	INOLOGIC		2100		Job Number: 03A2270041	
	F0766 102		3 LUG		Logged By: Israel Estrella Hole Diameter: 3"	Method: Hand Auger Total Depth: 1.5'
			hloride Test		PID for chloride and vapor, respec	
	-	actor of soil to distilled		•		
200	vapor (ppm) Staining	Depth Back Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
M	Y	BH03 0	0	CCHE	Moist, Caliche, Dark Stain, No	n Plyable, Non Plasticity
M ND	N	BH03 1		SP-SM	Moist, Red Sand, No Stain, No	n Plyable, Non Plasticity
			Total Dep	oth @ 1.	5 ft bgs.	



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation





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: Toque S

Toque State Com #502 H

Work Order: E404212

Job Number: 23003-C-0001

Received: 4/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/24/24

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: 4/24/24

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

Project Name: Toque State Com #502 H Workorder: E404212 Date Received: 4/19/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/19/2024 7:45:00AM, under the Project Name: Toque State Com #502 H.

The analytical test results summarized in this report with the Project Name: Toque State Com #502 H 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





Page 28 of 173

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS03 -0'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

		Sample Sum	mary		
Matador Resources, LLC.		Project Name:	Toque State Com #50	02 H	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-C-0001		Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		04/24/24 09:27
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03 -0'	E404212-01A	Soil	04/17/24	04/19/24	Glass Jar, 4 oz.

C



		ampic D				
Matador Resources, LLC.	Project Name	: Toqu	ue State Com #50	2 Н		
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-C-0001			Reported:
Dallas TX, 75240	Project Manager:		ley Giovengo		4/24/2024 9:27:16AN	
		SS03 -0'				
		E404212-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2416116
Benzene	ND	0.0250	1	04/19/24	04/20/24	
Ethylbenzene	ND	0.0250	1	04/19/24	04/20/24	
Toluene	ND	0.0250	1	04/19/24	04/20/24	
p-Xylene	ND	0.0250	1	04/19/24	04/20/24	
o,m-Xylene	ND	0.0500	1	04/19/24	04/20/24	
Fotal Xylenes	ND	0.0250	1	04/19/24	04/20/24	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	04/19/24	04/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2416116
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/19/24	04/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %	70-130	04/19/24	04/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2417004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Dil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane		89.3 %	50-200	04/22/24	04/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2416119
Chloride	379	20.0	1	04/19/24	04/21/24	

Sample Data



QC Summary Data

		-	<u><u>a</u>, , <u>a</u></u>	11500 11				
	Project Name:		-	m #502 H				Reported:
	Project Number:	23	003-C-0001					
	Project Manager:	A	shley Gioveng	go				4/24/2024 9:27:16AN
	Volatile Or	rganics b	oy EPA 802	21B				Analyst: BA
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	4/19/24 <i>A</i>	Analyzed: 04/20/24
ND	0.0250					-		·
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.65		8.00		95.6	70-130			
						Prepared: 0	4/19/24 <i>A</i>	Analyzed: 04/20/24
5.47	0.0250	5.00		109	70-130			
5.44	0.0250	5.00		109	70-130			
5.56	0.0250	5.00		111	70-130			
5.56	0.0250	5.00		111	70-130			
11.1	0.0500	10.0		111	70-130			
16.7	0.0250	15.0		111	70-130			
7.76		8.00		97.0	70-130			
			Source:	E404208-04	4	Prepared: 0	4/19/24 <i>A</i>	Analyzed: 04/20/24
4.94	0.0250	5.00	ND	98.9	54-133			
4.93	0.0250	5.00	ND	98.7	61-133			
5.02	0.0250	5.00	ND	100	61-130			
5.03	0.0250	5.00	ND	101	63-131			
10.1	0.0500	10.0	ND	101	63-131			
15.1	0.0250	15.0	ND	101	63-131			
7.76		8.00		96.9	70-130			
			Source:	E404208-04	4	Prepared: 0	4/19/24 <i>A</i>	Analyzed: 04/20/24
5.45	0.0250	5.00	ND	109	54-133	9.81	20	
5.43	0.0250	5.00	ND	109	61-133	9.54	20	
5.54	0.0250	5.00	ND	111	61-130	9.75	20	
5.56	0.0250	5.00	ND	111	63-131	9.87	20	
	0.0500							
16.6	0.0250	15.0	ND	111	63-131	9.53	20	
	ND ND ND ND ND 7.65 5.47 5.44 5.56 5.56 11.1 16.7 7.76 4.94 4.93 5.02 5.03 10.1 15.1 7.76 5.45 5.43 5.54 5.54 5.54 5.54	Subsection Project Number: Project Manager: Volatile Or Result mg/kg Reporting Limit mg/kg ND 0.0250 7.65 0.0250 5.56 0.0250 11.1 0.0500 16.7 0.0250 5.02 0.0250 5.03 0.0250 5.03 0.0250 5.03 0.0250 5.03 0.0250 5.04 0.0250 5.05 0.0250 5.06 0.0250 5.45 0.0250 5.45 0.0250 5.45 0.0250 5.43 0.0250	Project Number: 23 Project Manager: As Volatile Organics I Result Reporting Imit Spike Level mg/kg mg/kg mg/kg ND 0.0250 ND S.47 0.0250 5.00 S.56 0.0250 5.00 S.56 0.0250 5.00 1.1 0.0500 10.0 16.7 0.0250 5.00 5.02 0.0250 5.00 5.03 0.0250 5.00 5.04 5.00 5.00 1.1 0.0500 10.0 16.7 0.0250 5.00 5.03 0.0250 5.00 5.03 0.0250 5.00 5.03	Project Number: Project Manager: 23003-C-0001 Ashley Giovena Volatile Organics by EPA 802 Result mg/kg Reporting Limit Spike Level Source Result ND 0.0250 ND 0.0250 ND 0.0250 S.00 ND 5.47 0.0250 5.00 S.00 5.56 0.0250 5.00 S.00 5.56 0.0250 5.00 ND 1.1.1 0.0500 ND ND 4.94 0.0250 5.00 ND 5.03 0.0250 5.00 ND 5.03 0.0250 5.00 ND	Project Number: 23003-C-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec mg/kg mg/kg mg/kg mg/kg % ND 0.0250 mg/kg mg/kg % ND 0.0250 mg/kg 95.6 ND 0.0250 109 ND 0.0250 109 S.47 0.0250 5.00 109 5.47 0.0250 5.00 111 1.1 0.0250 111 111 5.56 0.0250 5.00 111 1.6.7 0.0250 5.00 111 1.6.7 0.0250 5.00 111 1.6.7 0.0250 5.00 111 1.6.7 0.0250 5.00 111 1.1.1 0.0250 5.00 111 1.6.7 0.0250 5.00 ND 98.7	Project Number: 23003-C-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result mg/kg Rec Limit mg/kg Rec ND 0.0250 mg/kg mg/kg % % % ND 0.0250 supported for the second for t	Project Number: 2303-C-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike Source Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 mg/kg mg/kg % % % % ND 0.0250 ND 0.0250 ND 0.0250 ND % % % ND 0.0250 ND 0.0250 ND % % % % ND 0.0250 ND 0.0250 ND % <td>Project Number: 23003-C-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source mg/kg Rec % Rec % RPD % RPD Limit mg/kg mg/kg mg/kg % % % % ND 0.0250 mg/kg % % % % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 109 70-130 7.63 8.00 97.0 70-130 5.47 0.0250 5.00 111 70-130 5.43 0.0250 5.00 111 70-130 5.44 0.0250 5.00 111 70-130 7.76</td>	Project Number: 23003-C-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source mg/kg Rec % Rec % RPD % RPD Limit mg/kg mg/kg mg/kg % % % % ND 0.0250 mg/kg % % % % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 109 70-130 7.63 8.00 97.0 70-130 5.47 0.0250 5.00 111 70-130 5.43 0.0250 5.00 111 70-130 5.44 0.0250 5.00 111 70-130 7.76

QC Summary Data

				ary Date	•					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		oque State Cor 3003-C-0001	n #502 H				Reported:	
Dallas TX, 75240		Project Manager:	А	shley Gioveng	0				4/24/2024 9:27:16AM	
	No	nhalogenated O	rganics	by EPA 801	5D - G	RO			Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2416116-BLK1)							Prepared: 0	4/19/24 <i>A</i>	Analyzed: 04/20/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130				
LCS (2416116-BS2)							Prepared: 0	4/19/24 <i>A</i>	Analyzed: 04/22/24	
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.5	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130				
Matrix Spike (2416116-MS2)				Source: E404208-04				Prepared: 04/19/24 Analyzed: 04/20/24		
Gasoline Range Organics (C6-C10)	40.1	20.0	50.0	ND	80.1	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130				
Matrix Spike Dup (2416116-MSD2)				Source: E404208-04			Prepared: 0	4/19/24 <i>A</i>	Analyzed: 04/20/24	
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	82.9	70-130	3.43	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130				



QC Summary Data

		$\mathbf{x} \in \mathbf{z}$	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ary Date	•					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Foque State Con 23003-C-0001 Ashley Gioveng					Reported: 4/24/2024 9:27:16AM	
Dallas IA, 73240		Tiojeet Manager.	1	Asincy Gloveng	0					
	Nonha	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2417004-BLK1)							Prepared: 0	4/22/24 <i>I</i>	Analyzed: 04/23/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	48.0		50.0		96.0	50-200				
LCS (2417004-BS1)							Prepared: 0	4/22/24 A	Analyzed: 04/23/24	
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132				
Surrogate: n-Nonane	45.4		50.0		90.9	50-200				
Matrix Spike (2417004-MS1)				Source: E404168-03				Prepared: 04/22/24 Analyzed: 04/23/24		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	101	38-132				
Surrogate: n-Nonane	46.9		50.0		93.8	50-200				
Matrix Spike Dup (2417004-MSD1)		Source: E404168-03					Prepared: 0	4/22/24 <i>A</i>	Analyzed: 04/23/24	
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	0.578	20		
Surrogate: n-Nonane	46.9		50.0		93.9	50-200				



QC Summary Data

		•		v					
Matador Resources, LLC.		Project Name:]	Toque State Com #502 H					Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	23003-C-0001					•
Dallas TX, 75240		Project Manager:	. A	Ashley Gioveng	ço				4/24/2024 9:27:16AN
		Anions	by EPA	300.0/9056A	۱.				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 (2416119-BLK1)							Prepared: 0	4/19/24	Analyzed: 04/20/24
Chloride	ND	20.0							
LCS (2416119-BS1)							Prepared: 0	4/19/24	Analyzed: 04/20/24
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2416119-MS1)			Source: E404168-08 Prepar					4/19/24	Analyzed: 04/20/24
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2416119-MSD1)				Source: E404168-08 Prepared:				4/19/24	Analyzed: 04/20/24
Chloride	256	20.0	250	ND	102	80-120	0.259	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.



Matador Resources, LLC.	Project Name:	Toque State Com #502 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/24/24 09:27

ND Analyte NOT DETECTED at or above the reporting l	imit
---	------

- 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.


Reproject Information

Received by OCD: 11/20/2024 2:13:44 PM

	Matador Pro					Bill To	<u></u>				La	b Us	se On				TAT				EPA Program						
	Toque Sta				_	Attention: Ensolum LLC			Lab	WO#	1	~	dol	Num	ber	mi	LD :	2D	3D	Sta	indard	CWA	SDWA				
	Manager: As					Address: on file			<u> </u> E_'	104	121				<u>-C-0</u>						X						
	: 3122 Natio te, Zip: Carls					<u>City, State, Zip:</u> Phone: 575-988-0055			<u> </u>				Analy	isis a	nd Me	thod	<u>т</u>						RCRA				
	575-988-005		00220					· · · · · · · · · · · · · · · · · · ·	1	Q P										ļ							
	giovengo@e		om			Email: agiovengo@ensolu	m.com		ł	NON				_			_					State					
Report o										4				DRC	021	99	9	00.00			N		ř	ŀ		UT AZ	
Time			No. of	<u> </u>				Lab	1	RO/	by 8	y 82	ی او	de 3	E I		Яİ			ŀ	×						
Sampled	Date Sampled	Matrix	Containers	Sample ID			N	umber		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		BGDOC		U U U U U U U			Remarks					
12:00	4/17/2024	S	1			SSO3 - 0'		4		⊢ ∞		>	2	0			x		<u> </u>								
			<u>.</u>	<u> </u>								_	L		$ \rightarrow $												
			1																								
			<u> </u>			······································													_								
								ł.									ĺ										
			1	-				- <u>;</u>									-										
			<u> </u>															ł									
								ł.						-		+		\neg			·····						
			L					1																			
				1				1			T						T										
<u> </u>				ļ																							
																Ţ	T	T									
				 													\square	\square									
			1					t																			
·							— — 		<u> </u>	┝──┨						-+	-+	\dashv									
				1																							
				1				1	-	$\left - \right $					┝──┟			-+									
								N.										1									
dditior	al Instructio	ns: Plea	ase CC: cl	burton@en	solum.c	om, agiovengo@ensolum.c	om. chamili	ton@e	nsol	um.c	om. i	estr	ella <i>l</i> ia	Dens						1							
											, .		e	113													
						are that tampering with or intentiona	ily mislabelling t	he samp	e loca	tion,												they are samp	led or				
	e of collection is c												receive	d pack	ed in ice	at an av	g temp	above	0 but l	ess thar	n 6°C on subse	quent days.					
Relinquish	ed by: (Signatu	re)	Date		me	Received by: (Signature)	Dat		1/1.	Time								o Use	e On	ly							
Polinguish	od bu /Classe	(a)			1024	Michelle Gon		-18:	<i>ч</i> ч		24		Rece	eived	on ic	e:	(\mathbf{Y})	ΥN									
	ed by: (Signatur	e)	C L		<u>"552</u>	Received by: (Signature)			11	Time	100						-										
Relinquish	ed by: (Signatur	10 0 0	Date		<u>こうしん</u> me		-	<u>{.18</u>	<u>u</u>		00		<u>T1</u>			_ 1	2				<u>T3</u>						
$\sim V$	Se oy. (orginatul	HQQ.		18.24	1110-	Received by: (Signature)		In	bu	Time	ų5	:		_	0.5	U											
	ren c				MUC		<u> </u>	119	Ľ		-		AVG			<u> </u>	_										
	rix: S - Soil, Sd - S				d unless 4	- other arrangements are made. H		ntainei	r Type	2: 8 - 6	glass,	p - p	oly/p	lastic	., ag - i	ambe	r gla	55, V -	VOA	۱							
samples is	applicable only	to those sa	amples rec	elved by the la	boratorv	with this COC. The liability of the	laboratory is li	nes Will mited fr	oe rei o the :	amour	i to Cili It paid	ent o I for c	r aisp an the	osed (or at th rt.	ie clie	nt exp	ense.	. The	e repo	rt for the a	nalysis of t	he above				
						the reaction of the		cu ti		annoul				reho			·										
													E	う				n			i r /	+	ec				
							Page 1	1 of ⁻	12				E	_		C				7		JL	С(
							i aye i		. ~								-										

Envirotech Analytical Laboratory

Printed: 4/19/2024 10:59:40AM

Page 38 of 173

Sample Receipt Checklist (SRC)

	Dumple Receipt Checkins (DRC)	
Instruc	ions: Please take note of any NO checkmarks.	
If we re	eive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.	

Client:	Matador Resources, LLC.	Date Received:	04/19/24 07:45	Work Order ID:	E404212
Phone: Email:	(972) 371-5200 agiovngo@ensolum.com	Date Logged In: Due Date:	04/19/24 10:29 04/25/24 17:00 (4 day TAT)	Logged In By:	Angelina Pineda

Chain of Custody (COC)

ı

ı	1. Does the sample ID match the COC?	Yes	
	2. Does the number of samples per sampling site location match the COC	Yes	
	3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
	4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
	 Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion. 	Yes	Comments/Resolution
	Sample Turn Around Time (TAT)		
	6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	
	Sample Cooler		
	7. Was a sample cooler received?	Yes	
	8. If yes, was cooler received in good condition?	Yes	
	9. Was the sample(s) received intact, i.e., not broken?	Yes	
	10. Were custody/security seals present?	No	
	11. If yes, were custody/security seals intact?	NA	
	12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
	13. If no visible ice, record the temperature. Actual sample temperature: $\underline{4^{\circ}C}$		
	Sample Container		
	14. Are aqueous VOC samples present?	No	
	15. Are VOC samples collected in VOA Vials?	NA	
	16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
	17. Was a trip blank (TB) included for VOC analyses?	NA	
	18. Are non-VOC samples collected in the correct containers?	Yes	
	19. Is the appropriate volume/weight or number of sample containers collected?	Yes	
	Field Label		
	20. Were field sample labels filled out with the minimum information:	¥	
	Sample ID? Date/Time Collected?	Yes	
	Collectors name?	Yes Yes	
	Sample Preservation_	100	
	21. Does the COC or field labels indicate the samples were preserved?	No	
	22. Are sample(s) correctly preserved?	NA	
	24. Is lab filteration required and/or requested for dissolved metals?	No	
	Multiphase Sample Matrix		
	26. Does the sample have more than one phase, i.e., multiphase?	No	
	27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	
	Subcontract Laboratory		
	28. Are samples required to get sent to a subcontract laboratory?	No	
	29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA
	Client Instruction		

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

Date

envirotech Inc.





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: Toque S

Toque State Com #502 H

Work Order: E404213

Job Number: 23003-C-0001

Received: 4/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/24/24

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: 4/24/24

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

Project Name: Toque State Com #502 H Workorder: E404213 Date Received: 4/19/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/19/2024 7:45:00AM, under the Project Name: Toque State Com #502 H.

The analytical test results summarized in this report with the Project Name: Toque State Com #502 H 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS02 -0'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Page 42 of 1

		Sample Sum			
Matador Resources, LLC.		Project Name:	Reported:		
5400 LBJ Freeway, Suite 1500		Project Number:	23003-C-0001		Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		04/24/24 09:25
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container

C



		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		ue State Com #5 03-C-0001	502 H		Reported:	
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			4/24/2024 9:25:50AN	
		SS02 -0'					
		E404213-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2416116	
Benzene	ND	0.0250	1	04/19/24	04/20/24		
Ethylbenzene	ND	0.0250	1	04/19/24	04/20/24		
Toluene	ND	0.0250	1	04/19/24	04/20/24		
o-Xylene	ND	0.0250	1	04/19/24	04/20/24		
o,m-Xylene	ND	0.0500	1	04/19/24	04/20/24		
Total Xylenes	ND	0.0250	1	04/19/24	04/20/24		
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	04/19/24	04/20/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2416116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/19/24	04/20/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	04/19/24	04/20/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2417004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24		
Dil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24		
Surrogate: n-Nonane		89.3 %	50-200	04/22/24	04/23/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2416119	
Chloride	26.5	20.0	1	04/19/24	04/21/24		

Sample Data



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	oque State Co 003-C-0001 shley Gioveng					Reported: 4/24/2024 9:25:50AM
		Volatile Or	rganics t	21 B				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 (2416116-BLK1)							Prepared: 0	4/19/24 A	analyzed: 04/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
oluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			
LCS (2416116-BS1)							Prepared: 0	4/19/24 A	analyzed: 04/20/24
Benzene	5.47	0.0250	5.00		109	70-130			
Ethylbenzene	5.44	0.0250	5.00		109	70-130			
Toluene	5.56	0.0250	5.00		111	70-130			
-Xylene	5.56	0.0250	5.00		111	70-130			
,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.7	0.0250	15.0		111	70-130			
urrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			
Matrix Spike (2416116-MS1)				Source:	E404208-0	4	Prepared: 0	4/19/24 A	analyzed: 04/20/24
Benzene	4.94	0.0250	5.00	ND	98.9	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
-Xylene	5.03	0.0250	5.00	ND	101	63-131			
,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Gurrogate: 4-Bromochlorobenzene-PID	7.76		8.00		96.9	70-130			
Matrix Spike Dup (2416116-MSD1)				Source:	E404208-0	4	Prepared: 0	4/19/24 A	analyzed: 04/20/24
Benzene	5.45	0.0250	5.00	ND	109	54-133	9.81	20	
Ethylbenzene	5.43	0.0250	5.00	ND	109	61-133	9.54	20	
Toluene	5.54	0.0250	5.00	ND	111	61-130	9.75	20	
-Xylene	5.56	0.0250	5.00	ND	111	63-131	9.87	20	
,m-Xylene	11.1	0.0500	10.0	ND	111	63-131	9.36	20	
Total Xylenes	16.6	0.0250	15.0	ND	111	63-131	9.53	20	



QC Summary Data

		QU D	umm	ary Data	1						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:							Reported: 4/24/2024 9:25:50AM		
	No		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 (2416116-BLK1)							Prepared: 0	4/19/24 A	Analyzed: 04/20/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130					
LCS (2416116-BS2)							Prepared: 0	4/19/24 A	Analyzed: 04/22/24		
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.5	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130					
Matrix Spike (2416116-MS2)				Source:	E404208-	04	Prepared: 0	4/19/24 A	Analyzed: 04/20/24		
Gasoline Range Organics (C6-C10)	40.1	20.0	50.0	ND	80.1	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130					
Matrix Spike Dup (2416116-MSD2)				Source:	E404208-	04	Prepared: 0	4/19/24 A	Analyzed: 04/20/24		
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	82.9	70-130	3.43	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130					



QC Summary Data

		QC DI		aly Data	L				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Foque State Con 23003-C-0001 Ashley Gioveng					Reported: 4/24/2024 9:25:50AM
	Nonh	alogenated Orga	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2417004-BLK1)							Prepared: 0	4/22/24	Analyzed: 04/23/24
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			
LCS (2417004-BS1)							Prepared: 0	4/22/24	Analyzed: 04/23/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	45.4		50.0		90.9	50-200			
Matrix Spike (2417004-MS1)				Source: l	E 404168- (03	Prepared: 0	4/22/24	Analyzed: 04/23/24
Diesel Range Organics (C10-C28)	254	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			
Matrix Spike Dup (2417004-MSD1)				Source: l	E 404168- (03	Prepared: 0	4/22/24	Analyzed: 04/23/24
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	0.578	20	
Surrogate: n-Nonane	46.9		50.0		93.9	50-200			



QC Summary Data

		•		v					
Matador Resources, LLC.		Project Name:	Т	oque State Co	m #502 H				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	3003-C-0001					•
Dallas TX, 75240		Project Manager	: A	shley Gioveng	go				4/24/2024 9:25:50AM
		Anions	by EPA	300.0/9056	٨				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 (2416119-BLK1)							Prepared: 0	4/19/24 A	Analyzed: 04/20/24
Chloride	ND	20.0							
LCS (2416119-BS1)							Prepared: 0	4/19/24 A	Analyzed: 04/20/24
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2416119-MS1)				Source:	E404168-0)8	Prepared: 0	4/19/24 A	Analyzed: 04/20/24
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2416119-MSD1)				Source:	E404168-0)8	Prepared: 0	4/19/24 A	Analyzed: 04/20/24
Chloride	256	20.0	250	ND	102	80-120	0.259	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.



Matador Resources, LLC.	Project Name:	Toque State Com #502 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-C-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/24/24 09:25

ND Analyte NOT DETECTED at or above the reporting	limit
---	-------

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.

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

Reference Refere

Received by OCD: 11/20/2024 2:13:44 PM

		duction C					B	lill To					La	b Us	se Or	nly		1			TA	۱T		EPA P	rogram
Project:	Toque Sta					Attention: Ensolum LLC			Lab WO# Job Number E 404213 230)3-C-0001						1D	1D 2D 3D			andard	CWA	SDWA				
	lanager: As					dress: o					EY	<u>104</u>	2	3_	23	003	-C-0i	<u>100</u>					X		
	3122 Natio					<u>y, State, I</u>				_ [Analy	ysis a	nd Me	thod							RCRA
	e, Zip: Carls 75-988-005		88220				<u>5-988-005</u>		-			λq													
	ziovengo@e				<u>Em</u>	<u>ail: agio</u>	vengo@e	ensolum.com				ORC												State	
Report du			.011	<u> </u>								NO,	ភ	8		0.0			N		¥		NM CO	UT AZ	TX
Time		T T		T								ľ0/i	8	y 82(5	le 3(E						×		
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					La Nun	ab nber		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		BGDOC		5DOC			Remarks	
10:15	4/17/2024	S	1			SS02 - (0'		1										Х						
									,																
						-																			
)												-				
																					_				
dditiona	al Instructio	ns: Plea	se CC: ct	ourton@ensol	um.com,	, agioven	go@ensc	olum.com, ch	amilto	n@er	nsolu	im.co	om, i	estr	ella@	Pens	olum	.com)			I			
(field samp) ate or time (ler), attest to the of collection is c	e validity and onsidered fr	d authenticit aud and ma	ty of this sample. I a by be grounds for leg	am aware ti al action.	hat tamperir	ng with or int Sampled b			sample	locat	ion,											on ice the day n 6 °C on subse		led or
a	d by: Signatur) Z1	Mich	by: (Signat	Jongalec	Date	8.2	Ý	Time IC)24		Rece	eived	on ic	e:	_	b Use / N	e On	y			
Mich	d by: (Signatur	nzales		18.24 IS		Received	by: (Signat		Date	18.		Time	700		T1				1 2	,			T3		
Inde	d by: (Signatur EGC ()	UBO	Date	.18.24 2	100	Received	by: (Signat	ure)	Date	19/2		Time	45		AVG	Tem	ם ס° מו	્ય							
ample Matri	ix: S - Soil, Sd - S	olid, Sg - Sluc	ige, A - Aqu	eous, O - Other	·				Cont	ainer	Type	: 2 - 2	lass.	D - D	olv/n	lastic	. 89 - 2	ambe	r gla	ss, v -	VOA				
lote: Samp	les are discard	ed 30 days	after resul	ts are reported ur eived by the labor	nless other	r arrangem	ents are m	ade. Hazardous	s samples	; will h	e ret	urned	to cli	ent o	r disn	need	of at th	e clie	nt ex	ense	. The	repo	rt for the a	nalysis of t	he above

Envirotech Analytical Laboratory

Printed: 4/19/2024 11:03:01AM

Page 50 of 173

Sample Receipt Checklist (SRC)

Instructions:	Please take note of any NO checkmarks.	
---------------	--	--

ı.

If we receive no response concerning these items within 24 hours of the da	ate of this notice	e, all the samples will be analyzed as requested	l	
Client: Matador Resources, LLC. Date	te Received: (04/19/24 07:45	Work Order ID:	E404213

Chain of	Custody (COC)				
Email:	agiovngo@ensolum.com	Due Date:	04/25/24 17:00 (4 day TAT)		
Phone:	(972) 371-5200	Date Logged In:	04/19/24 10:35	Logged In By:	Angelina Pineda
Client:	Maadol Resources, EDC.	Date Received.	01/17/24 07.45	WOIK OIGCI ID.	2404215

1. Does the sample ID match the COC? Yes 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes Carrier: Courier Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, Comments/Resolution i.e, 15 minute hold time, are not included in this disucssion. Sample Turn Around Time (TAT) Yes 6. Did the COC indicate standard TAT, or Expedited TAT? Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Sample Container 14. Are aqueous VOC samples present? No NA 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Yes Sample ID? Date/Time Collected? Yes Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA **Client Instruction**



Page 1 of 1 Page 12 of 12





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:

Toque State Com #502 H

Work Order: E405288

Job Number: 23003-0002

Received: 5/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/31/24

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: 5/31/24

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

Project Name: Toque State Com #502 H Workorder: E405288 Date Received: 5/21/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/21/2024 8:00:00AM, under the Project Name: Toque State Com #502 H.

The analytical test results summarized in this report with the Project Name: Toque State Com #502 H 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01-0'	5
BH01-1.5'	6
BH02-0'	7
BH02-1.5'	8
BH03-0'	9
BH03-1.5'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary	
----------------	--

		Sample Sum	mai y		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Toque State Com #3 23003-0002 Ashley Giovengo	502 H	Reported: 05/31/24 16:21
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E405288-01A	Soil	05/17/24	05/21/24	Glass Jar, 2 oz.
BH01-1.5'	E405288-02A	Soil	05/17/24	05/21/24	Glass Jar, 2 oz.
BH02-0'	E405288-03A	Soil	05/17/24	05/21/24	Glass Jar, 2 oz.
BH02-1.5'	E405288-04A	Soil	05/17/24	05/21/24	Glass Jar, 2 oz.
BH03-0'	E405288-05A	Soil	05/17/24	05/21/24	Glass Jar, 2 oz.
BH03-1.5'	E405288-06A	Soil	05/17/24	05/21/24	Glass Jar, 2 oz.



	~					
Matador Resources, LLC.	Project Name:	Тор	ue State Com #50	2 H		
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			5/31/2024 4:21:46PM
		BH01-0'				
		E405288-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2421150
Benzene	0.293	0.0250	1	05/24/24	05/29/24	
Ethylbenzene	2.86	0.0250	1	05/24/24	05/29/24	
Toluene	3.20	0.0250	1	05/24/24	05/29/24	
p-Xylene	3.14	0.0250	1	05/24/24	05/29/24	
o,m-Xylene	5.92	0.0500	1	05/24/24	05/29/24	
Total Xylenes	9.06	0.0250	1	05/24/24	05/29/24	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	05/24/24	05/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2421150
Gasoline Range Organics (C6-C10)	120	20.0	1	05/24/24	05/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	05/24/24	05/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	11800	125	5	05/28/24	05/29/24	
Dil Range Organics (C28-C36)	4140	250	5	05/28/24	05/29/24	
Surrogate: n-Nonane		148 %	50-200	05/28/24	05/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2421187
Chloride	8810	200	10	05/25/24	05/28/24	

Sample Data



Sample Data

	D.	ample D	ala			
Matador Resources, LLC.	Project Name:	1	ue State Com #5	502 H		
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			5/31/2024 4:21:46PM
		BH01-1.5'				
		E405288-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2421150
Benzene	ND	0.0250	1	05/24/24	05/29/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/29/24	
Toluene	ND	0.0250	1	05/24/24	05/29/24	
o-Xylene	ND	0.0250	1	05/24/24	05/29/24	
o,m-Xylene	ND	0.0500	1	05/24/24	05/29/24	
Fotal Xylenes	ND	0.0250	1	05/24/24	05/29/24	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	05/24/24	05/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2421150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/24/24	05/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/30/24	
Surrogate: n-Nonane		104 %	50-200	05/28/24	05/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2421187
Chloride	75.5	20.0	1	05/25/24	05/28/24	



Sample Data

	5	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 230	ue State Com #502 03-0002 ley Giovengo	2 H		Reported: 5/31/2024 4:21:46PM
		BH02-0'				
		E405288-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: BA		Batch: 2421150
Benzene	ND	0.125	5	05/24/24	05/30/24	
Ethylbenzene	17.9	0.125	5	05/24/24	05/30/24	
Toluene	12.8	0.125	5	05/24/24	05/30/24	
p-Xylene	18.5	0.125	5	05/24/24	05/30/24	
o,m-Xylene	37.5	0.250	5	05/24/24	05/30/24	
Total Xylenes	56.0	0.125	5	05/24/24	05/30/24	
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: BA		Batch: 2421150
Gasoline Range Organics (C6-C10)	676	100	5	05/24/24	05/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		118 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	26100	250	10	05/28/24	05/30/24	
Oil Range Organics (C28-C36)	8670	500	10	05/28/24	05/30/24	
Surrogate: n-Nonane		318 %	50-200	05/28/24	05/30/24	<i>S5</i>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: DT		Batch: 2421187
Chloride	4760	40.0	2	05/25/24	05/28/24	



Sample Data

	5	ampie D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 230	ue State Com #50 03-0002 ley Giovengo	02 H		Reported: 5/31/2024 4:21:46PM
		BH02-1.5'				
		E405288-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2421150
Benzene	ND	0.0250	1	05/24/24	05/30/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/30/24	
Toluene	ND	0.0250	1	05/24/24	05/30/24	
o-Xylene	ND	0.0250	1	05/24/24	05/30/24	
o,m-Xylene	ND	0.0500	1	05/24/24	05/30/24	
Fotal Xylenes	ND	0.0250	1	05/24/24	05/30/24	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2421150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	56.9	25.0	1	05/28/24	05/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/30/24	
Surrogate: n-Nonane		110 %	50-200	05/28/24	05/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2421187
Chloride	ND	20.0	1	05/25/24	05/28/24	

Sample Data

	5	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 230	ue State Com #502 03-0002	2 H		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo	5/31/2024 4:21:46PM		
		BH03-0'				
		E405288-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2421150
Benzene	ND	0.0250	1	05/24/24	05/30/24	
Ethylbenzene	0.726	0.0250	1	05/24/24	05/30/24	
Toluene	0.103	0.0250	1	05/24/24	05/30/24	
p-Xylene	1.41	0.0250	1	05/24/24	05/30/24	
p,m-Xylene	2.66	0.0500	1	05/24/24	05/30/24	
Total Xylenes	4.06	0.0250	1	05/24/24	05/30/24	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2421150
Gasoline Range Organics (C6-C10)	73.5	20.0	1	05/24/24	05/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	7870	125	5	05/28/24	05/30/24	
Oil Range Organics (C28-C36)	2680	250	5	05/28/24	05/30/24	
Surrogate: n-Nonane		135 %	50-200	05/28/24	05/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2421187
Chloride	5360	100	5	05/25/24	05/28/24	



Sample Data

		impic D				
Matador Resources, LLC.	Project Name:	Toq	ue State Com #502	2 H		
5400 LBJ Freeway, Suite 1500	Project Number	r: 230	03-0002		Reported:	
Dallas TX, 75240	Project Manage	er: Ash	ley Giovengo			5/31/2024 4:21:46PM
]	BH03-1.5'				
	l	E405288-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2421150
Benzene	ND	0.0250	1	05/24/24	05/30/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/30/24	
Toluene	ND	0.0250	1	05/24/24	05/30/24	
p-Xylene	ND	0.0250	1	05/24/24	05/30/24	
o,m-Xylene	ND	0.0500	1	05/24/24	05/30/24	
Fotal Xylenes	ND	0.0250	1	05/24/24	05/30/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: BA		Batch: 2421150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/24/24	05/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/30/24	
Surrogate: n-Nonane		103 %	50-200	05/28/24	05/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2421187
Chloride	ND	20.0	1	05/25/24	05/28/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	oque State Co 3003-0002 .shley Gioveng					Reported: 5/31/2024 4:21:46PM
		Volatile O	rganics	by EPA 802	21B				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 (2421150-BLK1)							Prepared: 0	5/24/24 <i>A</i>	Analyzed: 05/29/24
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	7.56		8.00		94.5	70-130			
LCS (2421150-BS1)							Prepared: 0	5/24/24 A	Analyzed: 05/30/24
Benzene	4.73	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.3	70-130			
Toluene	4.85	0.0250	5.00		96.9	70-130			
o-Xylene	4.82	0.0250	5.00		96.3	70-130			
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			
LCS Dup (2421150-BSD1)							Prepared: 0	5/24/24 A	Analyzed: 05/30/24
Benzene	5.08	0.0250	5.00		102	70-130	7.23	20	
Ethylbenzene	5.07	0.0250	5.00		101	70-130	7.21	20	
Toluene	5.22	0.0250	5.00		104	70-130	7.33	20	
p-Xylene	5.19	0.0250	5.00		104	70-130	7.48	20	
o,m-Xylene	10.4	0.0500	10.0		104	70-130	7.06	20	
Total Xylenes	15.6	0.0250	15.0		104	70-130	7.20	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			



OC Summary Data

		QC L	Jumm		u				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manage:	:	Toque State Cor 23003-0002 Ashley Gioveng					Reported: 5/31/2024 4:21:46PM
	No	onhalogenated	Organic	s by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2421150-BLK1)							Prepared: 0	5/24/24 A	nalyzed: 05/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
urrogate: 1-Chloro-4-fluorobenzene-FID	8.43		8.00		105	70-130			
LCS (2421150-BS2)							Prepared: 0	5/24/24 A	nalyzed: 05/30/24
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.53		8.00		107	70-130			
LCS Dup (2421150-BSD2)							Prepared: 0	5/24/24 A	nalyzed: 05/29/24
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.0	70-130	13.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.60		8.00		108	70-130			



OC Summary Data

		QC D	umm	ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Foque State Com 23003-0002 Ashley Giovengo					Reported: 5/31/2024 4:21:46PM
	Nonh	nalogenated Org	anics by	v EPA 8015D	- DRO/	ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2422013-BLK1)							Prepared: 0	5/28/24 A	analyzed: 05/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	50-200			
LCS (2422013-BS1)							Prepared: 0	5/28/24 A	analyzed: 05/29/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			
LCS Dup (2422013-BSD1)							Prepared: 0	5/28/24 A	analyzed: 05/29/24
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132	0.281	20	
Surrogate: n-Nonane	56.2		50.0		112	50-200			



QC Summary Data

		•		v					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Toque State Cor 23003-0002	m #502 H				Reported:
Dallas TX, 75240		Project Manager	: .	Ashley Gioveng	go				5/31/2024 4:21:46PM
		Anions	by EPA	300.0/9056A	۱.				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 (2421187-BLK1)							Prepared: 0	5/25/24 /	Analyzed: 05/28/24
Chloride	ND	20.0							
LCS (2421187-BS1)							Prepared: 0	5/25/24 A	Analyzed: 05/28/24
Chloride	250	20.0	250		100	90-110			
LCS Dup (2421187-BSD1)							Prepared: 0	5/25/24 A	Analyzed: 05/28/24
Chloride	252	20.0	250		101	90-110	0.501	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.



Matador Resources, LLC.	Project Name:	Toque State Com #502 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/31/24 16:21

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.



Project Information

C	lient: N	Aatador Proc	luction Co	ompany			Т	Bill To				La	ab U:	se Oi	nly	-			1	AT		EPA P	rogram
P	roject:	Toque S	State Con	n #502H				ention: Ensolum LLC	,	Lab	WO#	ha	2	Job	Nun	nber	1) 2D	30	SI	tandard	CWA	SDWA
<u>P</u>	roject N	Aanager: As	hley Giov	engo			Add	ress: on file			405	æ		141		-000					X		
<u>e</u>	ddress:	3122 Natio	nal Parks	<u>Hwy</u>			<u>City</u>	, State, Zip:						Anal	ysis a	nd Met	nod						RCRA
Q	ity, Stat	e, Zip: Carls	bad NM,	88220			Pho	ne: 575-988-0055		_	à												
<u>P</u>	hone: !	575-9 <u>88-005</u>	5				Ema	ail: agiovengo@ensolum.c	om	1	B											State	
Ē	<u>mail: a</u>	giovengo@e	<u>nsolum.c</u>	om							Į,	1			8			N.	¥		NM CO	UTAZ	
Ē	<u>eport d</u>	ue by:									٩٥ ٥	× 80	826	10	e 30	E					×		
	Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0	тсео трн		2000	GDOC			Remarks	
	9:11	5/17/2024	Soil	1				BH01 - 0'										ĸ					
	9:21	5/17/2024	Soil	1				BH01 - 1.5'	Z									ĸ					
	9:23	5/17/2024	Soil	1				BH02 - 0'	3									ĸ					
	9:27	5/17/2024	Soil	1				BH02 - 1.5'	4									ĸ 🗌					
	9:29	5/17/2024	Soil	1				ВНОЗ - О'	5									×					
ſ	9:33	5/17/2024	Soil	1			l	BH03 - 1.5'	4									x					
									9 														
1	ddition	al Instructio	ns: Plea	ase CC: c	burton@e	nsolum	.com,	agiovengo@ensolum.com	, chamilton@	ensol	um.c	om,	ehat	ft@e	nsol	um.con	n, ies	trella	@en	olun	n.com		
ľ	•	pler), attest to th e of collection is (-			at tampering with or intentionally m Sampled by:	islabelling the samp	le locat	tion,			· ·		-	-				d on ice the day han 6 °C on sub		pled or
F	elinquish	ed by: (Signatu	re)	Date	120/24	Time 920	3	Received by: (Signature) Michelle Gonz		.JH		90	5 3	Red	eive	d on ice	≥: (Lab Y	Use C N	Only			
F	Mic	ed by Signatu	re) onzale	S-Date	-20.24	Time レロイ	5	Received by: (Signature)	Date 5.2	.	Time	74	t5				_ 1	2			<u>T3</u>		
F	elinquish	ed by: (Signatu	re)	Date	้เจ.พ	Time	15	Received by (Signature)	Date 512	teg		80				mp °C_	4						
		trix: S - Soil, Sd - S							Contain														
	late: Sam	ples are discard	ded 30 days	s after resu	ults are repor	ted unles	s other	r arrangements are made. Haza this COC. The liability of the lab	rdous samples wi	il be re	eturne	d to c	lient	or dis	posed	l of at th	e clier	t expe	nse. 1	'he re	port for the	analysis of	the above

Envirotech Analytical Laboratory

					•		
nstructions	s: Please take note of any NO checkmarks.	Sample	Receipt	Checklist (SRC)			
	e no response concerning these items within 24 hours of the	date of this not	ice, all the	samples will be analy	zed as requested.		
Client:	Matador Resources, LLC. Da	ate Received:	05/21/24	08:00	Wor	k Order ID:	E405288
Phone:	(972) 371-5200 Da	ate Logged In:	05/20/24	18:24	Log	ged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com Du	ue Date:	05/28/24	17:00 (4 day TAT)			
Chain of	<u>f Custody (COC)</u>						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Cor	urier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	1 analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commen	ts/Resolution
Samnla'	Turn Around Time (TAT)			Г			
	the COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	· •		105				
	sample cooler received?		Yes				
	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
•	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample tem	nperature: <u>4</u> °	<u>°C</u>				
Sample	<u>Container</u>						
14. Are a	aqueous VOC samples present?		No				
15. Are V	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
18. Are 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	e appropriate volume/weight or number of sample containers	s collected?	Yes				
Field La	<u>ıbel</u>						
	e field sample labels filled out with the minimum inform	ation:					
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes No				
	Preservation_		140				
	s the COC or field labels indicate the samples were prese	erved?	No				
	sample(s) correctly preserved?		NA				
24. Is lat	b filteration required and/or requested for dissolved meta	als?	No				
Multiph	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?	,	No				
	s, does the COC specify which phase(s) is to be analyzed		NA				
Subcont	tract Laboratory						
-	samples required to get sent to a subcontract laboratory?	,	No				
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: 1	NA		
Client I	Instruction						

<u>Client Instruction</u>

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



•





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:

Toque State Com #502 H

Work Order: E406052

Job Number: 23003-0002

Received: 6/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/12/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 6/12/24

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

Project Name: Toque State Com #502 H Workorder: E406052 Date Received: 6/6/2024 9:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2024 9:00:56AM, under the Project Name: Toque State Com #502 H.

The analytical test results summarized in this report with the Project Name: Toque State Com #502 H 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





Page 69 of 173

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01-0'	5
SS04-0'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

	Sample Sum	mary	
Matador Resources, LLC.	Project Name:	Toque State Com #502 H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Keporteu:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/12/24 12:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E406052-01A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.
SS04-0'	E406052-02A	Soil	06/04/24	06/06/24	Glass Jar, 2 oz.



.

Page 71 of 173

	~					
Matador Resources, LLC.	Project Nam	e: Toq	Toque State Com #502 H			
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	23003-0002			Reported:
Dallas TX, 75240	Project Manager: Ashley Giovengo					6/12/2024 12:22:21PM
		SS01-0'				
		E406052-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g Analyst: IY		Batch: 2423112	
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
p-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	ng/kg Analyst: IY		Batch: 2423112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2423146
Diesel Range Organics (C10-C28)	ND	25.0	1	06/07/24	06/10/24	
Dil Range Organics (C28-C36)	ND	50.0	1	06/07/24	06/10/24	
Surrogate: n-Nonane		101 %	50-200	06/07/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2423133
Chloride	120	20.0	1	06/07/24	06/07/24	

Sample Data
Sample Data

		ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	ue State Com #50 03-0002 ley Giovengo	92 H		Reported: 6/12/2024 12:22:21PM
		SS04-0'				
		E406052-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2423112
enzene	ND	0.0250	1	06/06/24	06/11/24	
thylbenzene	ND	0.0250	1	06/06/24	06/11/24	
oluene	ND	0.0250	1	06/06/24	06/11/24	
-Xylene	ND	0.0250	1	06/06/24	06/11/24	
,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
urrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2423146
Diesel Range Organics (C10-C28)	ND	25.0	1	06/07/24	06/10/24	
Dil Range Organics (C28-C36)	ND	50.0	1	06/07/24	06/10/24	
urrogate: n-Nonane		103 %	50-200	06/07/24	06/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2423133
Chloride	148	20.0	1	06/07/24	06/07/24	



QC Summary Data

	Project Name: Project Number: Project Manager:	23	3003-0002					Reported: 6/12/2024 12:22:21PM
	Volatile Or	ganics l	by EPA 802	21B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	6/06/24 A	nalyzed: 06/10/24
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.15		8.00		89.4	70-130			
						Prepared: 0	6/06/24 A	nalyzed: 06/10/24
4.63	0.0250	5.00		92.5	70-130			
4.60	0.0250	5.00		91.9	70-130			
4.66	0.0250	5.00		93.3	70-130			
4.57	0.0250	5.00		91.3	70-130			
9.31	0.0500	10.0		93.1	70-130			
13.9	0.0250	15.0		92.5	70-130			
7.19		8.00		89.9	70-130			
			Source:	E406051-0)3	Prepared: 0	6/06/24 A	nalyzed: 06/11/24
4.54	0.0250	5.00	ND	90.7	54-133			
4.51	0.0250	5.00	ND	90.2	61-133			
4.57	0.0250	5.00	ND	91.5	61-130			
4.49	0.0250	5.00	ND	89.8	63-131			
9.13	0.0500	10.0	ND	91.3	63-131			
13.6	0.0250	15.0	ND	90.8	63-131			
7.21		8.00		90.1	70-130			
			Source:	E406051-0)3	Prepared: 0	6/06/24 A	nalyzed: 06/11/24
4.62	0.0250	5.00	ND	92.3	54-133	1.76	20	
4.61	0.0250	5.00	ND	92.2	61-133	2.20	20	
4.67	0.0250	5.00	ND	93.3	61-130	2.03	20	
4.58	0.0250	5.00	ND	91.7	63-131	2.05	20	
9.35	0.0500	10.0	ND	93.5	63-131	2.31	20	
13.9	0.0250	15.0	ND	92.9	63-131	2.23	20	
	mg/kg ND ND ND ND ND ND 7.15 4.63 4.60 4.66 4.67 4.63 4.60 4.66 4.57 9.31 13.9 7.19 7.19 4.54 4.51 4.57 4.51 4.57 4.49 9.13 13.6 7.21 4.62 4.61 4.67 4.58 9.35	Angene Project Number: Project Manager: Volatile Or Result mg/kg Reporting Limit mg/kg ND 0.0250 A.63 0.0250 7.15	Project Number: 2. Project Manager: A Volatile Organics I Result Reporting mg/kg Spike Level mg/kg ND 0.0250 Sold 5.00 4.63 0.0250 Sold 5.00 4.64 0.0250 Sold 5.00 4.57 0.0250 7.19 8.00 4.51 0.0250 7.19 8.00 4.51 0.0250 5.00 4.50 4.51 0.0250 5.00 5.00 4.51 0.0250 <	Project Number: 23003-0002 Ashley Giovena Volatile Organics by EPA 802 Result Reporting mg/kg Spike mg/kg Source Result ND 0.0250 ND ND 0.0250 mg/kg ND 0.0250 ND ND 0.0250 mg/kg ND 0.0250 ND ND 0.0250 mg/kg ND 0.0250 mg/kg ND 0.0250 mg/kg A4.63 0.0250 mg/kg 4.63 0.0250 mg/kg 4.64 0.0250 mg/kg 7.15 8.00 mg/kg 4.63 0.0250 5.00 4.64 0.0250 5.00 4.57 0.0250 5.00 9.31 0.0500 ND 4.54 0.0250 5.00 4.57 0.0250 5.00 4.51 0.0250 5.00 4.53 0.0250 5.00 9.1	Project Number: 23003-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Result Reporting Spike Source Result Reporting Spike Source MD 0.0250 mg/kg mg/kg % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 8.00 89.4 4.63 0.0250 5.00 92.5 4.64 0.0250 5.00 91.3 4.65 0.0250 5.00 91.3 4.66 0.0250 5.00 91.3 4.67 0.0250 5.00 91.3 4.63 0.0250 5.00 91.3 4.64 0.0250 5.00 91.3 4.65 0.0250 5.00 91.3 4.66 0.0250 5.00 ND 90.7 </td <td>Project Number: 2303-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec Rec Rec Limits ND 0.0250 mg/kg mg/kg % % ND 0.0250 season 89.4 70-130 ND 0.0250 season 93.3 70-130 ND 0.0250 season 93.3 70-130 4.63 0.0250 5.00 93.3 70-130 4.64 0.0250 5.00 93.3 70-130 4.65 0.0250 5.00 93.3 70-130 4.66 0.0250 5.00 93.3 70-130 4.57 0.0250 5.00 93.1 70-130 4.57 0.0250 5.00 89.9 70-130 7.19 8.00 89.9 70-130 7.19 8.00 89.9 70-130 7.19 8.00</td> <td>Project Number: 2303-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % ND 0.0250 ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 A63 0.0250 5.00 92.5 70-130 4.63 0.0250 5.00 91.9 70-130 4.64 0.0250 5.00 93.3 70-130 4.65 0.0250 5.00 93.1 70-130 4.64 0.0250 5.00 91.9 70-130 7.19 8.00 89.9 70-130 7.19 8.00 89.9 <t< td=""><td>Project Number: 23003-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike bl/w Source Result Rec Rec Rec Limits RPD % RPD % RPD % ND 0.0250 mg/kg % % % % % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 7.15 8.00 89.4 70-130 Prepared: 06/06/24 A ND 4.63 0.0250 5.00 91.3 70-130 Prepared: 06/06/24 A 4.54 0.0250 5.00 92.5 70-130 Prepared: 06/06/24 A 4.54 0.0250 5.00 ND 90.2 61-133 Prepared: 06/06/24 A 4.54 0.0250 5</td></t<></td>	Project Number: 2303-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec Rec Rec Limits ND 0.0250 mg/kg mg/kg % % ND 0.0250 season 89.4 70-130 ND 0.0250 season 93.3 70-130 ND 0.0250 season 93.3 70-130 4.63 0.0250 5.00 93.3 70-130 4.64 0.0250 5.00 93.3 70-130 4.65 0.0250 5.00 93.3 70-130 4.66 0.0250 5.00 93.3 70-130 4.57 0.0250 5.00 93.1 70-130 4.57 0.0250 5.00 89.9 70-130 7.19 8.00 89.9 70-130 7.19 8.00 89.9 70-130 7.19 8.00	Project Number: 2303-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % ND 0.0250 ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 A63 0.0250 5.00 92.5 70-130 4.63 0.0250 5.00 91.9 70-130 4.64 0.0250 5.00 93.3 70-130 4.65 0.0250 5.00 93.1 70-130 4.64 0.0250 5.00 91.9 70-130 7.19 8.00 89.9 70-130 7.19 8.00 89.9 <t< td=""><td>Project Number: 23003-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike bl/w Source Result Rec Rec Rec Limits RPD % RPD % RPD % ND 0.0250 mg/kg % % % % % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 7.15 8.00 89.4 70-130 Prepared: 06/06/24 A ND 4.63 0.0250 5.00 91.3 70-130 Prepared: 06/06/24 A 4.54 0.0250 5.00 92.5 70-130 Prepared: 06/06/24 A 4.54 0.0250 5.00 ND 90.2 61-133 Prepared: 06/06/24 A 4.54 0.0250 5</td></t<>	Project Number: 23003-0002 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike bl/w Source Result Rec Rec Rec Limits RPD % RPD % RPD % ND 0.0250 mg/kg % % % % % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 7.15 8.00 89.4 70-130 Prepared: 06/06/24 A ND 4.63 0.0250 5.00 91.3 70-130 Prepared: 06/06/24 A 4.54 0.0250 5.00 92.5 70-130 Prepared: 06/06/24 A 4.54 0.0250 5.00 ND 90.2 61-133 Prepared: 06/06/24 A 4.54 0.0250 5



QC Summary Data

		QU D	umm	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	,	Foque State Cor 23003-0002 Ashley Gioveng					Reported: 6/12/2024 12:22:21PM
2 4 4 4 7 1 7 7 2 10	No	nhalogenated (,	·	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2423112-BLK1)							Prepared: 0	6/06/24	Analyzed: 06/10/24
Gasoline Range Organics (C6-C10)	ND	20.0					1		•
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			
LCS (2423112-BS2)							Prepared: 0	6/06/24	Analyzed: 06/10/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			-
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2423112-MS2)				Source:	E406051-	03	Prepared: 0	6/06/24	Analyzed: 06/11/24
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			
Matrix Spike Dup (2423112-MSD2)				Source:	E406051-	03	Prepared: 0	6/06/24	Analyzed: 06/11/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	2.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			

QC Summary Data

		$\mathbf{x} \in \mathbf{z}$	~~~~	ary Date	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number:	,	Foque State Cor 23003-0002 Ashlay Giovana					Reported: 6/12/2024 12:22:21PM
Dallas IX, 75240		Project Manager:		Ashley Gioveng	0				0/12/2024 12:22:21PM
	Nonha	alogenated Org	anics by	y EPA 8015D	- 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 (2423146-BLK1)							Prepared: 0	6/07/24 A	analyzed: 06/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			
LCS (2423146-BS1)							Prepared: 0	6/07/24 A	analyzed: 06/10/24
Diesel Range Organics (C10-C28)	281	25.0	250		112	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			
Matrix Spike (2423146-MS1)				Source:	E406066-	15	Prepared: 0	6/07/24 A	analyzed: 06/10/24
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	38-132			
Surrogate: n-Nonane	52.7		50.0		105	50-200			
Matrix Spike Dup (2423146-MSD1)				Source:	E406066-	15	Prepared: 0	6/07/24 A	analyzed: 06/10/24
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132	4.48	20	
Surrogate: n-Nonane	49.9		50.0		99.9	50-200			



QC Summary Data

			-						
Matador Resources, LLC.		Project Name:		Toque State Co	m #502 H				Reported:
5400 LBJ Freeway, Suite 1500		Project Number	:	23003-0002					
Dallas TX, 75240		Project Manager	r:	Ashley Gioveng	go				6/12/2024 12:22:21PM
		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 (2423133-BLK1)							Prepared: 0	6/07/24 A	Analyzed: 06/07/24
Chloride	ND	20.0							
LCS (2423133-BS1)							Prepared: 0	6/07/24 A	Analyzed: 06/07/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2423133-MS1)				Source:	E406052-0	02	Prepared: 0	6/07/24 A	Analyzed: 06/07/24
Chloride	440	20.0	250	148	117	80-120			
Matrix Spike Dup (2423133-MSD1)				Source:	E406052-0	02	Prepared: 0	6/07/24 A	Analyzed: 06/07/24
Chloride	447	20.0	250	148	120	80-120	1.60	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.



Matador Resources, LLC.	Project Name:	Toque State Com #502 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/12/24 12:22

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

Chain of Custody

	Clier	nt Inform	ation			1	Invoice	Information				La	ab Us	se On	ly			-	AT		Sta	
lient: N	Aatador Prod	uction Co	ompany		Comp	bany: E	Ensolum	n LLC		Lab	WO	#		Job	Num	ber		1D 2D	3D Std	NN		TX
roject:	Toque State	Com #50	2H		Addre	ess: 31	122 Nati	onal Parks H	wy	E	Wat of	00E	52	d	60	BC	30	2	x	x		
roject N	Manager: Ash	nley Giov	engo					Isbad NM, 88	8220													
ddress:	3122 Nation	nal Parks	Hwy		Phone	e: 575	5-988-0	055	_	_		-	-	Ana	lysis	and	Met	nod			PA Prog	
	e, Zip: Carls		88220		Emai	Email: agiovengo@ensolum.co				_								SDWA CWA		RCRA		
	575-988-005				Miscel	llaneou	us:															
mail: a	giovengo@er	nsolum.c	om								015	015			-	_				Complia		or N
							_				by 8(by 8(21	00	0.00	Σ	¥	stals		PWSID #	#	
		_		Sample In	formation					1.1.	ORO	ORO	oy 80	y 82	de 3(C-N	- 500	8 We			Remar	re.
Time Sampled	Date Sampled	Matrix	No. of Containers			ample IC			Field	Lab Numbe	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			Reman	.5
11:22	6/4/2024	Soil	1		S	SO1 - 0')'			1						x						_
10:38	6/4/2024	Soil	1		S	SO4 - 0')'			2						x						
		1.7																				
											1		F							1		
										-	-			-	-	-				-		
												-			-	-		_		-		
_									- 1									_				
										1												
_																						
_									-	-		-	1	1						1		
d al fait a se		Dia		ourton@ensol		douon		olum com	chamilto	n@ans	lum	Com	iost	rolla	Done	olun						
																_	-		1			
(field sam ampled by	6 1		d authenticity	of this sample. I an			1111			nple locati	on, date	e or tim	ne of co	ollectic	on is co							
elinguish	ed by Signatur	re) D	Date 6/	5/24 7	:300	Mill	by: (Signa	Gonza	les 6	524	Time	73	6			sampl		ceived pack	l preservation r ed in ice at an a	ivg temp abov		
elinquish	ed by: (Signatur	onenl	ec Date	5-24 16	50 1	eceived	by: (Signa	ature)	Date	.5.2	Time	6	50			Rec	eivec	on ice:	ADU	Jse Only N		
elinquish	ed by: (Signatur	re)	Date	Time	R	eceived	by: (Signa	ature)	Date	lobe	Sull 1	30	0			T1			12		Т3	
elinquish	ed by: (Signatur	re)	Date	Time	400 R	eceived	Hov: (Signa	ature)	Date	DelC	Time	e	<u> </u>					20	4		15	
						-			Con	tainer Ty	DO' 0	- alac	c n .	nolv/	nlast	AVC	len	np °C	V-VOA	1	-	
	rix: S - Soil, Sd - So			ts are reported ur			ante ara n	ando Hozardou												t for the au	nalysis of t	ne above

Page /

of

Received by OCD: 11/20/2024 2:13:44 PM

Envirotech Analytical Laboratory

Client:	Matador Resources, LLC. Da	ate Received:	06/06/24	09:00	Work Order ID:	E406052
Phone:	(972) 371-5200 Da	ate Logged In:	06/05/24		Logged In By:	Alexa Michaels
Email:		ue Date:		17:00 (4 day TAT)		
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC				
	samples dropped off by client or carrier?	une coc	Yes Yes	Carrier: Couier		
	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes	Carrier. <u>Couler</u>		
	all samples received within holding time?	,	Yes			
	Note: Analysis, such as pH which should be conducted in the	e field,			Common	ta/Dagalutian
~ •	i.e, 15 minute hold time, are not included in this disucssion.				Commen	ts/Resolution
	Turn Around Time (TAT)		37			
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample			Vec			
	sample cooler received? , was cooler received in good condition?		Yes Yes			
•	· ·					
	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
-	s, were custody/security seals intact?		NA			
	 he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are reminutes of sampling visible ice, record the temperature. Actual sample ter 	ceived w/i 15	Yes			
		nperature. <u>4</u>	<u>c</u>			
	Container aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		No NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10	N			
	s the COC or field labels indicate the samples were prese	rvea?	No Na			
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ils?	NA No			
			INU			
	ase Sample Matrix		• •			
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed	u (NA			
	ract Laboratory		_			
	samples required to get sent to a subcontract laboratory?		No			
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		







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:

Toque State Com #502 H

Work Order: E407196

Job Number: 23003-0002

Received: 7/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/31/24

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: 7/31/24

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

Project Name: Toque State Com #502 H Workorder: E407196 Date Received: 7/25/2024 8:30:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2024 8:30:00AM, under the Project Name: Toque State Com #502 H.

The analytical test results summarized in this report with the Project Name: Toque State Com #502 H 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS02-1.5'	5
FS03-1.5'	6
FS04-1.5'	7
FS01-2.5'	8
SW01-0'-1.5'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Page 84 of 173

		Sample Sum	mai y		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Toque State Com #3 23003-0002 Ashley Giovengo	502 H	Reported: 07/31/24 09:23
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02-1.5'	E407196-01A	Soil	07/23/24	07/25/24	Glass Jar, 2 oz.
FS03-1.5'	E407196-02A	Soil	07/23/24	07/25/24	Glass Jar, 2 oz.
FS04-1.5'	E407196-03A	Soil	07/23/24	07/25/24	Glass Jar, 2 oz.
FS01-2.5'	E407196-04A	Soil	07/23/24	07/25/24	Glass Jar, 2 oz.
SW01-0'-1.5'	E407196-05A	Soil	07/23/24	07/25/24	Glass Jar, 2 oz.



		imple D				
Matador Resources, LLC.	Project Name:	Тоq	ie State Com #	502 H		
5400 LBJ Freeway, Suite 1500	Project Numbe	r: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manage	er: Ash	ey Giovengo			7/31/2024 9:23:26AM
		FS02-1.5'				
]	E407196-01				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/25/24	
thylbenzene	ND	0.0250	1	07/24/24	07/25/24	
oluene	ND	0.0250	1	07/24/24	07/25/24	
-Xylene	ND	0.0250	1	07/24/24	07/25/24	
,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
urrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	07/24/24	07/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	07/24/24	07/25/24	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
urrogate: n-Nonane		191 %	50-200	07/25/24	07/26/24	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2430113
Chloride	73.0	20.0	1	07/25/24	07/25/24	





Sample Data

	D	ampic D	ata			
Matador Resources, LLC.	Project Name	-	ue State Com #502	2 H		
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002		Reported:	
Dallas TX, 75240	Project Mana	nger: Ash	ley Giovengo	7/31/2024 9:23:26AM		
		FS03-1.5'				
		E407196-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
o,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	07/24/24	07/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/24/24	07/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		91.4 %	50-200	07/25/24	07/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2430113
Chloride	46.6	20.0	1	07/25/24	07/25/24	



Sample Data

	0	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	ber: 230	ue State Com #5 03-0002	02 H		Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			7/31/2024 9:23:26AM
		FS04-1.5'				
		E407196-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Foluene	ND	0.0250	1	07/24/24	07/25/24	
p-Xylene	ND	0.0250	1	07/24/24	07/25/24	
o,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Fotal Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	07/24/24	07/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/24/24	07/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2430104
Diesel Range Organics (C10-C28)	29.5	25.0	1	07/25/24	07/26/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		92.2 %	50-200	07/25/24	07/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2430113
Chloride	268	20.0	1	07/25/24	07/25/24	



Sample Data

	5		utu			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	1	ue State Com #502 03-0002	2 H		Reported:
Dallas TX, 75240	Project Mana		ley Giovengo	7/31/2024 9:23:26AM		
		FS01-2.5'				
		E407196-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
p-Xylene	ND	0.0250	1	07/24/24	07/25/24	
o,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	07/24/24	07/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/24/24	07/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		99.7 %	50-200	07/25/24	07/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: WF		Batch: 2430113
Chloride	28.5	20.0	1	07/25/24	07/25/24	



Sample Data

Reported: 7/31/2024 9:23:26AM Notes
7/31/2024 9:23:26AM
Notes
Notes
Notes
Notes
Batch: 2430092
Batch: 2430092
Batch: 2430104
Batch: 2430113
-



QC Summary Data

	Project Number:							
			003-0002					
	Project Manager:	As	shley Gioveng	go				7/31/2024 9:23:26AM
	Volatile O	rganics b	y EPA 802	21 B				Analyst: RKS
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	7/24/24 A	analyzed: 07/25/24
ND	0.0250							
ND	0.0250							
ND								
ND								
ND	0.0500							
ND	0.0250							
7.36		8.00		92.0	70-130			
						Prepared: 0	7/24/24 A	analyzed: 07/25/24
5.79	0.0250	5.00		116	70-130			
5.42	0.0250	5.00		108	70-130			
5.70	0.0250	5.00		114	70-130			
5.53	0.0250	5.00		111	70-130			
11.2	0.0500	10.0		112	70-130			
16.7	0.0250	15.0		111	70-130			
7.46		8.00		93.2	70-130			
			Source:	E407195-(2	Prepared: 0	7/24/24 A	analyzed: 07/25/24
4.65	0.0250	5.00	ND	92.9	54-133			
4.35	0.0250	5.00	ND	87.1	61-133			
4.58	0.0250	5.00	ND	91.6	61-130			
4.48	0.0250	5.00	ND	89.7	63-131			
9.00	0.0500	10.0	ND	90.0	63-131			
13.5	0.0250	15.0	ND	89.9	63-131			
7.47		8.00		93.4	70-130			
			Source:	E407195-(2	Prepared: 0	7/24/24 A	analyzed: 07/25/24
4.72	0.0250	5.00	ND	94.3	54-133	1.49	20	
4.43	0.0250	5.00	ND	88.6	61-133	1.77	20	
4.65	0.0250	5.00	ND	92.9	61-130	1.47	20	
4.55	0.0250	5.00	ND	91.1	63-131	1.53	20	
9.15	0.0500	10.0	ND	91.5	63-131	1.73	20	
13.7	0.0250	15.0	ND	91.4	63-131	1.66	20	
_	mg/kg ND ND ND ND ND ND 7.36 5.79 5.42 5.70 5.53 11.2 16.7 7.46 4.65 4.35 4.58 4.48 9.00 13.5 7.47 4.72 4.43 4.65 4.55 9.15	Result mg/kg Reporting Limit mg/kg ND 0.0250 7.36	Result mg/kg Reporting mg/kg Spike Level mg/kg ND 0.0250 S.79 0.0250 5.79 0.0250 5.70 0.0250 5.70 0.0250 5.70 0.0250 5.70 0.0250 5.70 0.0250 5.70 0.0250 5.70 0.0250 5.70 15.0 7.46 8.00 4.65 0.0250 5.00 4.35 0.0250 5.00 4.48 0.0250 5.00 4.48 0.0250 5.00 4.43 0.0250 5.00 4.43	Result mg/kg Reporting Limit mg/kg Spike Level mg/kg Source Result mg/kg ND 0.0250 mg/kg mg/kg 5.79 0.0250 5.00 mg/kg 5.79 0.0250 5.00 mg/kg 5.70 0.0250 5.00 mg/kg 5.70 0.0250 5.00 mg/kg 5.71 0.0250 5.00 mg/kg 11.2 0.0500 10.0 mg/kg 7.46 8.00 mg/kg mg/kg 4.65 0.0250 5.00 ND 4.35 0.0250 5.00 ND 9.00 0.0500 10.0 ND 7.47	Result mg/kg Limit mg/kg Level mg/kg Result mg/kg Rec mg/kg ND 0.0250 mg/kg mg/kg % ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 7.36 8.00 92.0 5.79 0.0250 5.00 116 5.42 0.0250 5.00 114 5.53 0.0250 5.00 111 11.2 0.0500 10.0 112 16.7 0.0250 5.00 111 7.46 8.00 93.2 93.2 Source: E407195-0 4.65 0.0250 5.00 ND 89.7 9.00 0.0500 10.0 ND 93.4 4.58 0.0250 5.00 ND 89.9 7.47 8.00 93.4 Source: E407195-0 <t< td=""><td>Result mg/kg Reporting mg/kg Spike mg/kg Source Result mg/kg Rec Result mg/kg Rec kesult mg/kg Rec kesult mg/kg</td><td>Result mg/kg Reporting Mg/kg Spike Level mg/kg Source Result mg/kg Rec Mg/kg Rec % Limits Limits % RPD % ND 0.0250 mg/kg % % % % ND 0.0250 Prepared: 0 ND 0.0250 Prepared: 0 ND 0.0250 Prepared: 0 ND 0.0250 Prepared: 0 7.36 8.00 92.0 70-130 Prepared: 0 5.79 0.0250 5.00 116 70-130 5.70 0.0250 5.00 111 70-130 5.73 0.0250 5.00 111 70-130 7.46 8.00 93.2 70-130 7.46 0.0250 5.00 ND 9.2.9 54-133 4.45 0.0250 5.00 ND</td><td>Result mg/kg Reporting Limit mg/kg Spike mg/kg Source Result mg/kg Rec mg/kg Rec % Rec % RPD % RPD % RPD % ND 0.0250 mg/kg % % % % % ND 0.0250 ND 0.0250 Prepared: 07/24/24 A ND 0.0250 ND 0.0250 Prepared: 07/24/24 A 7.36 8.00 92.0 70-130 Prepared: 07/24/24 A 5.79 0.0250 5.00 116 70-130 Prepared: 07/24/24 A 5.79 0.0250 5.00 114 70-130 I A 5.70 0.0250 5.00 111 70-130 I I 6.7 0.0250 5.00 111 70-130 I</td></t<>	Result mg/kg Reporting mg/kg Spike mg/kg Source Result mg/kg Rec Result mg/kg Rec kesult mg/kg Rec kesult mg/kg	Result mg/kg Reporting Mg/kg Spike Level mg/kg Source Result mg/kg Rec Mg/kg Rec % Limits Limits % RPD % ND 0.0250 mg/kg % % % % ND 0.0250 Prepared: 0 ND 0.0250 Prepared: 0 ND 0.0250 Prepared: 0 ND 0.0250 Prepared: 0 7.36 8.00 92.0 70-130 Prepared: 0 5.79 0.0250 5.00 116 70-130 5.70 0.0250 5.00 111 70-130 5.73 0.0250 5.00 111 70-130 7.46 8.00 93.2 70-130 7.46 0.0250 5.00 ND 9.2.9 54-133 4.45 0.0250 5.00 ND	Result mg/kg Reporting Limit mg/kg Spike mg/kg Source Result mg/kg Rec mg/kg Rec % Rec % RPD % RPD % RPD % ND 0.0250 mg/kg % % % % % ND 0.0250 ND 0.0250 Prepared: 07/24/24 A ND 0.0250 ND 0.0250 Prepared: 07/24/24 A 7.36 8.00 92.0 70-130 Prepared: 07/24/24 A 5.79 0.0250 5.00 116 70-130 Prepared: 07/24/24 A 5.79 0.0250 5.00 114 70-130 I A 5.70 0.0250 5.00 111 70-130 I I 6.7 0.0250 5.00 111 70-130 I



QC Summary Data

		QC D	umm	ary Data	u.				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	,	Toque State Cor 23003-0002 Ashley Gioveng					Reported: 7/31/2024 9:23:26AM
	No	nhalogenated (Organic	s by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2430092-BLK1)							Prepared: 0	7/24/24	Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			
LCS (2430092-BS2)							Prepared: 0	7/24/24 /	Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.67		8.00		108	70-130			
Matrix Spike (2430092-MS2)				Source:	E407195-	02	Prepared: 0	7/24/24 /	Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.64		8.00		108	70-130			
Matrix Spike Dup (2430092-MSD2)				Source:	E407195-	02	Prepared: 0	7/24/24 A	Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.4	70-130	2.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.55		8.00		107	70-130			



QC Summary Data

		QC D	u	ary Data	a				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Foque State Con 23003-0002 Ashley Gioveng					Reported: 7/31/2024 9:23:26AM
	Nonh	alogenated Org	anics by	FEPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2430104-BLK1)							Prepared: 0	7/25/24 A	Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	ND	25.0					-		
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			
LCS (2430104-BS1)							Prepared: 0	7/25/24 A	Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	237	25.0	250		94.8	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			
Matrix Spike (2430104-MS1)				Source:	E407187-:	24	Prepared: 0	7/25/24 A	Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.4	38-132			
Surrogate: n-Nonane	49.8		50.0		99.5	50-200			
Matrix Spike Dup (2430104-MSD1)				Source:	E407187-2	24	Prepared: 0	7/25/24 A	Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.7	38-132	4.08	20	
Surrogate: n-Nonane	51.7		50.0		103	50-200			



QC Summary Data

		$\mathbf{x} \in \mathbf{z}$		ary Date	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Toque State Con 23003-0002 Ashley Gioveng					Reported: 7/31/2024 9:23:26AM
		Anions	by EPA	300.0/9056A					Analyst: WF
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2430113-BLK1)							Prepared: 0	7/25/24 /	Analyzed: 07/25/24
Chloride LCS (2430113-BS1)	ND	20.0					Prepared: 0	7/25/24 /	Analyzed: 07/25/24
Chloride Motrix Spiles (2420112 MS1)	249	20.0	250	Courses	99.8 E 407196-(90-110	Proporad: 0	7/25/24	Analyzed: 07/25/24
Matrix Spike (2430113-MS1) Chloride	490	20.0	250	268	88.6	80-120	riepared: 0	1123124 F	mary260. 07/23/24
Matrix Spike Dup (2430113-MSD1)				Source:]	E407196-()3	Prepared: 0	7/25/24 /	Analyzed: 07/25/24
Chloride	520	20.0	250	268	101	80-120	5.90	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.



Matador Resources, LLC.	Project Name:	Toque State Com #502 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/31/24 09:23

- 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 of Custody

	CI !				<u> </u>	Invoice Information	tion					Lab	1100	On	h.				T	AT			Stat	
		nt Inform		<u> </u>		Invoice Informat	tion					Lap	_					4.0			C 1			
	<u>Aatador Prod</u>					npany: Ensolum LLC				ab W 40					Numi 1033		<u></u>	1D	2D	<u>3D</u>	Std		CO UT	
	Toque State					Iress: 3122 National Par		<u> </u>	뉴트	: 10) 71	10	0	120	0.2	-00					x	x		
	<u>Aanager: Asl</u>					, State, Zip: Carlsbad NN	<u>/1, 88220</u>	<u> </u>		-				A			D.4 at	h.a.d				-	A Deces	
	3122 Nation					ne: 575-988-0055				-				Ana	iysis	and	Met	noa		— —	1		PA Progr	
	e, Zip: Carls		88220			ail: agiovengo@ensolu	m.com							i								SDWA	CWA	RCRA
	575-988-005				Miso	ellaneous:														i				<u> </u>
<u>Email: a</u>	giovengo@ei	<u>nsolum.c</u>	<u>om</u>		Ĺ						원	5										Complian	ce Y	or N
<u> </u>							1			-1	۹ ه	ÞA B	ក្ត	8	0.00	Σ	ř	etals				PWSID #		
			r	Sam	ple Informatic	n		<u> </u>	Lab		8	8	×	¥ 82	de 3	ΰ	500	Š Š		1			Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field Filter	Lab Numbe	er	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	
13:49	7/23/2024	Soil	1		I	-S02 - 1.5'			١							x								
15:29	7/23/2024	Soil	1			-S03 - 1.5'	1		2							x								
14:23	7/23/2024	Soil	1			-S04 - 1.5'			3							x								
15:23	7/23/2024	Soil	1		1	-501 - 2.5'			4							x								
15:54	7/23/2024	Soil	1		SM	/01 - 0' - 1.5'			5				╡			x								
				_																				
			-								1			·					\vdash					
										╉		-			_									
										╉	-+	+	+	_										.
						<u> </u>				+		-+	-											
			ase CC: (cburton@e	ensolum.com,	agiovengo@ensolum.co	m, iestr	ella@	Pensol	lum.	.com	, bde	eal@	ens	olun	n.coi	n, ch	amil	ton	pens	olun	n.com,		
bsimmo	<u>ns@ensolum</u>	n.com																						
			dauthentici	ity of this samp	le. I am aware that	tampering with or intentionally m	hislabeling 1	the san	nple locat	tion, d	date o	r time (of coll	ection	i is coi	sider	ed frau	dand	may b	e grou	nas to	r legal action		
	:Brandon Deal				Time	Densional days (Generations)		Data		Т	īmo		_			Samo	es remi	iring th	ermat	nreserv	ation m	ust be received	on ice the d	w they are
1h	ed by: (Signatur W			7/24/2024		Michelle (Jon	zales		14-24		_	<u> 00(</u>	、			sampi		ceived		l in ice :	at an av	g temp above		
W/ic	ed by: (Signatu	ongal	eg 7.	24.24	Time	Received by: (Signature)	1	Date 7.	<i>zy.l</i>		ime	700	2			Rec	eivec	loni	ice:		ab U:)/ N	se Only I		
Relinquish	ed by: (Signatur	re) 🔮	Dai		Time 2400	Received by: (Signature)		Date	25-24	ч [^{ime}	30				<u>T1</u>				<u>T2</u>			<u>T3</u>	
Relinquish	ed by: (Signatu	re)	Dat	te	Time	Received by: (Signature)		Date		П	īme					AVO	6 Ten	۰p °C	<u> </u>	١				
	trix: S - Soil, Sd - S					·			ainer T							c, ag	- aml	oer g	lass,	v - VC				
						arrangements are made. Haza this COC. The liability of the la											e clier	nt exp	ense.	The I	report	for the ana	lysis of the	above



Received by OCD: 11/20/2024 2:13:44 PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	s: Please take note of any NO checkmarks.	•	•	Checklist (SRC)	as voquostod		
Client:	e no response concerning these items within 24 hours of the or Matador Resources, LLC.	te Received:	07/25/24	· ·	as requested. Work Ord		E407196
Phone:		te Logged In:	07/24/24		Logged I	n By:	Alexa Michaels
Email:	agiovngo@ensolum.com Du	ie Date:	07/31/24	4 17:00 (4 day TAT)			
<u>Chain o</u>	<u>f Custody (COC)</u>						
	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Couier			
4. Was the	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		<u>Co</u>	ommei	nts/Resolution
Sample	<u>Turn Around Time (TAT)</u>						
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	Cooler						
	sample cooler received?		Yes				
8. If yes	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re-		Yes				
13 If no	minutes of sampling visible ice, record the temperature. Actual sample tem	anaratura: Ac	r.				
	· · · ·	nperature. <u>+</u>	<u> </u>				
	Container aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		No NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	e appropriate volume/weight or number of sample containers	collected?	Yes				
Field La		conceted:	105				
	e field sample labels filled out with the minimum inform	ation					
	Sample ID?		Yes				
	Date/Time Collected?		Yes				
	Collectors name?		Yes				
-	Preservation						
21. Does	s the COC or field labels indicate the samples were prese	rved?	No				
	sample(s) correctly preserved?		NA				
24. Is la	b filteration required and/or requested for dissolved meta	ls?	No				
<u>Multiph</u>	ase Sample Matrix						
26. Does	s the sample have more than one phase, i.e., multiphase?		No				
27. If ye	s, does the COC specify which phase(s) is to be analyzed	1?	NA				
Subcont	tract Laboratory						
28. Are	samples required to get sent to a subcontract laboratory?		No				
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA			
<u>Client</u>]	Instruction						

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



•





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:

Toque State Com #502 H

Work Order: E407215

Job Number: 23003-0002

Received: 7/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/1/24

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: 8/1/24

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

Project Name: Toque State Com #502 H Workorder: E407215 Date Received: 7/26/2024 5:00:14AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/26/2024 5:00:14AM, under the Project Name: Toque State Com #502 H.

The analytical test results summarized in this report with the Project Name: Toque State Com #502 H 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS05 - 1.5'	5
FS10 - 1.6'	6
FS12 - 1.5'	7
FS13 - 1.5'	8
FS18 - 1.5'	9
FS19 - 1.5'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

		Sample Sum	mai y		
Matador Resources, LLC.		Project Name:	Toque State Com #	502 H	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Reportu.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		08/01/24 09:29
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS05 - 1.5'	E407215-01A	Soil	07/24/24	07/26/24	Glass Jar, 2 oz.
FS10 - 1.6'	E407215-02A	Soil	07/24/24	07/26/24	Glass Jar, 2 oz.
FS12 - 1.5'	E407215-03A	Soil	07/24/24	07/26/24	Glass Jar, 2 oz.
FS13 - 1.5'	E407215-04A	Soil	07/24/24	07/26/24	Glass Jar, 2 oz.
FS18 - 1.5'	E407215-05A	Soil	07/24/24	07/26/24	Glass Jar, 2 oz.
FS19 - 1.5'	E407215-06A	Soil	07/24/24	07/26/24	Glass Jar, 2 oz.



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ue State Com #50 03-0002 ley Giovengo)2 H		Reported: 8/1/2024 9:29:54AM
		FS05 - 1.5'				
		E407215-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
enzene	ND	0.0250	1	07/26/24	07/29/24	
thylbenzene	ND	0.0250	1	07/26/24	07/29/24	
oluene	ND	0.0250	1	07/26/24	07/29/24	
-Xylene	ND	0.0250	1	07/26/24	07/29/24	
,m-Xylene	ND	0.0500	1	07/26/24	07/29/24	
otal Xylenes	ND	0.0250	1	07/26/24	07/29/24	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	07/26/24	07/29/24	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
asoline Range Organics (C6-C10)	ND	20.0	1	07/26/24	07/29/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	07/26/24	07/29/24	
onhalogenated Organics by EPA 8015D - DRO/ORG) mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2430124
viesel Range Organics (C10-C28)	ND	25.0	1	07/26/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/26/24	07/30/24	
urrogate: n-Nonane		104 %	50-200	07/26/24	07/30/24	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2430139
hloride	ND	20.0	1	07/26/24	07/26/24	

Sample Data



Sample Data

	D	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 230	ue State Com #50 03-0002 ley Giovengo	2 H		Reported: 8/1/2024 9:29:54AM
		FS10 - 1.6'				
		E407215-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		
Benzene	ND	0.0250	1	07/26/24	07/29/24	
Ethylbenzene	ND	0.0250	1	07/26/24	07/29/24	
Toluene	ND	0.0250	1	07/26/24	07/29/24	
o-Xylene	ND	0.0250	1	07/26/24	07/29/24	
o,m-Xylene	ND	0.0500	1	07/26/24	07/29/24	
Fotal Xylenes	ND	0.0250	1	07/26/24	07/29/24	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/24	07/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: KM			Batch: 2430124
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/26/24	07/30/24	
'urrogate: n-Nonane		108 %	50-200	07/26/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2430139
Chloride	40.7	20.0	1	07/26/24	07/26/24	



Sample Data

	D	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 230	ue State Com #502 03-0002 ley Giovengo	2 H		Reported: 8/1/2024 9:29:54AM
		FS12 - 1.5'				
		E407215-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2430128
Benzene	ND	0.0250	1	07/26/24	07/29/24	
Ethylbenzene	ND	0.0250	1	07/26/24	07/29/24	
Toluene	ND	0.0250	1	07/26/24	07/29/24	
p-Xylene	ND	0.0250	1	07/26/24	07/29/24	
o,m-Xylene	ND	0.0500	1	07/26/24	07/29/24	
Total Xylenes	ND	0.0250	1	07/26/24	07/29/24	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/24	07/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2430124
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/24	07/30/24	
Surrogate: n-Nonane		99.7 %	50-200	07/26/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2430139
Chloride	29.9	20.0	1	07/26/24	07/26/24	



Sample Data

	D.	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	ue State Com #502 03-0002 ley Giovengo	2 H		Reported: 8/1/2024 9:29:54AM
		FS13 - 1.5'				
		E407215-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
Benzene	ND	0.0250	1	07/26/24	07/29/24	
Ethylbenzene	ND	0.0250	1	07/26/24	07/29/24	
Toluene	ND	0.0250	1	07/26/24	07/29/24	
o-Xylene	ND	0.0250	1	07/26/24	07/29/24	
o,m-Xylene	ND	0.0500	1	07/26/24	07/29/24	
Fotal Xylenes	ND	0.0250	1	07/26/24	07/29/24	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/24	07/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	kg Analyst: KM			Batch: 2430124
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/26/24	07/30/24	
Surrogate: n-Nonane		105 %	50-200	07/26/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2430139
Chloride	78.2	20.0	1	07/26/24	07/26/24	



Sample Data

	D	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 230	ue State Com #502 03-0002 ley Giovengo	2 H		Reported: 8/1/2024 9:29:54AM
		FS18 - 1.5'				
		E407215-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2430128
Benzene	ND	0.0250	1	07/26/24	07/29/24	
Ethylbenzene	ND	0.0250	1	07/26/24	07/29/24	
Toluene	ND	0.0250	1	07/26/24	07/29/24	
p-Xylene	ND	0.0250	1	07/26/24	07/29/24	
o,m-Xylene	ND	0.0500	1	07/26/24	07/29/24	
Total Xylenes	ND	0.0250	1	07/26/24	07/29/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/24	07/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2430124
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/26/24	07/30/24	
Surrogate: n-Nonane		113 %	50-200	07/26/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2430139
Chloride	ND	20.0	1	07/26/24	07/26/24	



Sample Data

	5	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 230	ue State Com #502 03-0002 ley Giovengo	2 H		Reported: 8/1/2024 9:29:54AM
		FS19 - 1.5'				
		E407215-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2430128
Benzene	ND	0.0250	1	07/26/24	07/29/24	
Ethylbenzene	ND	0.0250	1	07/26/24	07/29/24	
Toluene	ND	0.0250	1	07/26/24	07/29/24	
p-Xylene	ND	0.0250	1	07/26/24	07/29/24	
o,m-Xylene	ND	0.0500	1	07/26/24	07/29/24	
Total Xylenes	ND	0.0250	1	07/26/24	07/29/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430128
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/24	07/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	07/26/24	07/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2430124
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/26/24	07/30/24	
Surrogate: n-Nonane		114 %	50-200	07/26/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2430139
Chloride	ND	20.0	1	07/26/24	07/26/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		oque State Con 8003-0002	m #502 H				Reported:
Dallas TX, 75240		Project Manager:	Α	shley Gioveng	go				8/1/2024 9:29:54AM
		Volatile O			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 (2430128-BLK1)							Prepared: 0	7/26/24 A	nalyzed: 07/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			
LCS (2430128-BS1)							Prepared: 0	7/26/24 A	analyzed: 07/26/24
Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
, m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			
Matrix Spike (2430128-MS1)				Source:	E407211-0	1	Prepared: 0	7/26/24 A	analyzed: 07/26/24
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.09	0.0250	5.00	ND	102	61-133			
Toluene	5.20	0.0250	5.00	ND	104	61-130			
p-Xylene	5.10	0.0250	5.00	ND	102	63-131			
o,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			
Matrix Spike Dup (2430128-MSD1)				Source:	E407211-0	1	Prepared: 0	7/26/24 A	analyzed: 07/26/24
Benzene	5.27	0.0250	5.00	ND	105	54-133	0.533	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	0.405	20	
Toluene	5.22	0.0250	5.00	ND	104	61-130	0.423	20	
o-Xylene	5.12	0.0250	5.00	ND	102	63-131	0.369	20	
o,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	0.515	20	
	15.5	0.0250	15.0	ND	104	63-131	0.467	20	
Total Xylenes	15.5	0.0250	15.0	ND	104	05-151	0.407	20	



QC Summary Data

		QU D	umm	ii y Data	u						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	23	oque State Cor 8003-0002 shley Gioveng					Reported: 8/1/2024 9:29:54AM		
Duilus 111, 19210	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 (2430128-BLK1)							Prepared: 0	7/26/24 A	nalyzed: 07/26/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130					
LCS (2430128-BS2)							Prepared: 0	7/26/24 A	analyzed: 07/26/24		
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130					
Matrix Spike (2430128-MS2)				Source:	E407211-(01	Prepared: 0	7/26/24 A	analyzed: 07/26/24		
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130					
Matrix Spike Dup (2430128-MSD2)				Source:	E407211-(01	Prepared: 0	7/26/24 A	nalyzed: 07/26/24		
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.6	70-130	5.39	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID											


QC Summary Data

		QU N		ary Data	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	ź	Toque State Com 23003-0002 Ashley Giovengo					Reported: 8/1/2024 9:29:54AM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2430124-BLK1)							Prepared: 0	7/26/24 A	Analyzed: 07/29/24
Diesel Range Organics (C10-C28)	ND ND	25.0							
Oil Range Organics (C28-C36) Surrogate: n-Nonane	63.3	50.0	50.0		127	50-200			
LCS (2430124-BS1)							Prepared: 0	7/26/24 A	Analyzed: 07/29/24
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			-
Surrogate: n-Nonane	56.4		50.0		113	50-200			
Matrix Spike (2430124-MS1)				Source: I	E 407215 -	01	Prepared: 0	7/26/24 A	Analyzed: 07/29/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	59.2		50.0		118	50-200			
Matrix Spike Dup (2430124-MSD1)				Source: I	E 407215 -	01	Prepared: 0	7/26/24 A	Analyzed: 07/29/24
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	6.46	20	
Surrogate: n-Nonane	59.8		50.0		120	50-200			



QC Summary Data

		C	-						
Matador Resources, LLC.		Project Name:		Toque State Cor	m #502 H				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	: 1	23003-0002					
Dallas TX, 75240		Project Manager	r: .	Ashley Gioveng	go				8/1/2024 9:29:54AM
		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 (2430139-BLK1)							Prepared: ()7/26/24 <i>I</i>	Analyzed: 07/26/24
Chloride	ND	20.0							
LCS (2430139-BS1)							Prepared: ()7/26/24 A	Analyzed: 07/26/24
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2430139-MS1)				Source:	E407208-0	02	Prepared: ()7/26/24 A	Analyzed: 07/26/24
Chloride	715	20.0	250	538	70.8	80-120			M2
Matrix Spike Dup (2430139-MSD1)				Source:	E407208-0	02	Prepared: ()7/26/24 A	Analyzed: 07/26/24
Chloride	744	20.0	250	538	82.3	80-120	3.93	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.



Matador Resources, LLC.	Project Name:	Toque State Com #502 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/01/24 09:29

M2 Matrix spike recovery was outside quality control limits. 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.



Chain of Custody

Released to Imaging: 3/10/2025 3:19:18 PM

	Clier	nt Inform	nation					Invoid	ce Inf	formati	on				L	ab U	se Or	nly				TAT	r			Sta		
lient: N	Aatador Prod	uction C	ompany			Company: Ensolum LLC Address: 3122 National Parks Hw City, State, Zip: Carlsbad NM, 882 Phone: 575-988-0055						ab WC			1.0.0	Num			1D	2D 3	3D Sto	d	NM	CO UT	т тх			
roject:	Toque State	e Com 50	<u>02H</u>							_	E	E407215 23003					03-000Z ×						x					
roject N	Aanager: Ash	nley Giov	engo								8822	0	_	-			-											
	3122 Nation				-	Phone:	57	5-988	3-005	5		_	_		_	_	Ana	alysis	and	Met	hod		_			A Prog		
	e, Zip: Carlsl		88220		_	Email:	agi	ioveng	go@e	ensolum	n.com													SE	AWG	CWA	RC	RA
	575-988-005					Miscella	aneou	us:																-			-	
mail: a	giovengo@ei	nsolum.c	om								-			8015	8015									-	npliand	e Y	or	N
	_				1.1.6						1	_		bv 8	by 80	021	60	0.00	Σ	×1-	etals			PW	/SID #			-
	-		1	Sam	ple Inform	ation					-		Lab	ORO	DRO	oy 80	y 82	de 3	C-V	005	8 W					Remark		
Time Sampled	Date Sampled	Matrix	No. of Containers				nple II		_	_		Field	Lab Numb	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8 Metals	_	_			Kennark	.5	
12:35	7/24/2024	Soil	1			FS0	5 - 1.5	.5'					1						x									
12:40	7/24/2024	Soil	1			FS10	0 - 1.6	.6'					2						x									
12:42	7/24/2024	Soil	1			FS1	2 - 1.5	.5'					3						x									
12:43	7/24/2024	Soil	1			FS1	3 - 1.5	.5'					4						x									
15:00	7/24/2024	Soil	1			FS1	8 - 1.5	.5'			1		5						x	1								
15:00	7/24/2024	Soil	1			FS1	9 - 1.	.5'			1		6						x									
				1							-				+								-	-	-			
								-			-	-	-	-	+		-	1	-			-		-			-	
-											-	-		-	-	-	-	-	-	-		-		-				
																				-								
simmo (field sam ampled by	nal Instructions ns@ensolum pler), attest to the :Brandon Deal red by: (Signatur	n.com e validity and	d authenticity Date	y of this samp	le. I am aware Time	e that tam	opering ceived	2	intenti	ionally mis re)	labeling	the sar Date	mple loca	ation, dat	e or tir		-		nsider	ed frau es requ	d and n iring the	nay be (rmal pre	grounds f servation	for legal must be	l action.	on ice the c but less tha		
elinguish	ed by: (Signatu	re)		524	Time	V V	1.4.4	by: (Sig		Las		Date	15.20	Tim	e					nuent d			Labl		nly			-
	ed by: Signatu		eg Vø Date		1550 Time			by: (Sig			0	7.1 Date	5.0	1 1 Tim	80	12	-		Rec	eived	l on id	:e: (V/	N				
1/1	. / 4	28		25.24	2400		hur	1/1h		ILer	0	7-1	6-20	10	50	2			T1				2			ТЗ		
elinquish	ed by: (Signatu	(P)	Date		Time	Rec	ceived	l by: (Sig	ignatu	re)	-	Date	00	Tim	_	0	-		-				-		-	10		_
emquisi	ico by: (DiBriard	(0)	2.072						Briata	-1		1. Service							AVG	i Ter	np °C	4						
	trix: S - Soil, Sd - S						-							Type: g					ic, ag	- am	per gla	ISS, V -						
lote: Sam	ples are discard	ded 14 days	s after resul	lts are repor	ted unless o	ther arra	ngeme	ents are	re mad	e. Hazaro	lous sar	nples	will be	returne	d to cl	ient or	r dispo	osed o	f at th	e clier	nt expe	nse. T	he repor	rt for t	he analy	sis of th	e above	2
amples is	applicable only	to those s	amples reco	eived by the	e laboratory	with this	COC. 1	The liab	bility c	of the lab	oratory	is limi	ted to t	he amo	unt pa	id for	on the	e repo	rt.									

Page ____

of

Received by OCD: 11/20/2024 2:13:44 PM

Envirotech Analytical Laboratory

nstructions	s: Please take note of any NO checkmarks.	Sample	Receipt	Checklist (SR	C)		
	e no response concerning these items within 24 hours of the o	late of this not	ice, all the	samples will be a	nalyzed as rec	quested.	
Client:	Matador Resources, LLC. Da	te Received:	07/26/24	05:00		Work Order ID:	E407215
Phone:	(972) 371-5200 Da	ate Logged In:	07/25/24	16:19		Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com Du	ie Date:	08/01/24	17:00 (4 day TAT)		
Chain o	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier:	Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the	e field,	Yes			G	
	i.e, 15 minute hold time, are not included in this disucssion.					Commen	ts/Resolution
	Turn Around Time (TAT)						
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
<u>Sample</u>							
	a sample cooler received?		Yes				
•	, was cooler received in good condition?		Yes				
9. Was t	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	es, were custody/security seals intact?		NA				
	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are recomminutes of sampling	ceived w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample ten	nperature: <u>4</u> °	<u>'C</u>				
-	<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				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	e appropriate volume/weight or number of sample containers	collected?	Yes				
Field La							
	e field sample labels filled out with the minimum information of the same second se	ation:	Yes				
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		No				
Sample	Preservation		110				
21. Doe	s the COC or field labels indicate the samples were prese	rved?	No				
22. Are	sample(s) correctly preserved?		NA				
24. Is la	b filteration required and/or requested for dissolved meta	ls?	No				
<u>Mu</u> ltiph	nase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?		No				
	es, does the COC specify which phase(s) is to be analyzed		NA				
	tract Laboratory_						
	samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so		NA	Subcontract La	ab: NA		
	Instruction						







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:

Toque State Com #502 H

Work Order: E407225

Job Number: 23003-0002

Received: 7/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/1/24

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: 8/1/24

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

Project Name: Toque State Com #502 H Workorder: E407225 Date Received: 7/29/2024 5:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2024 5:00:00AM, under the Project Name: Toque State Com #502 H.

The analytical test results summarized in this report with the Project Name: Toque State Com #502 H 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS06 -3'	6
FS07 - 3'	7
FS08 - 2'	8
FS09 - 2'	9
FS11 - 3'	10
FS14 -4-8.5'	11
FS15 - 3.5'	12
FS16 - 4'	13
SW02 -0-3'	14
SW03 -0-3'	15
SW04 -0-3'	16
SW05 -0-3'	17
SW06 -0-8.5	18
SW07 -0-2.5'	19
SW08 -0-2.5'	20
FS17 - 2.5'	21
QC Summary Data	22
QC - Volatile Organic Compounds by EPA8260B	22
QC - Nonhalogenated Organics by EPA 8015D - GRO	23
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	24

•

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A	25
Definitions and Notes	26
Chain of Custody etc.	27

Sample Summarv

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	400 LBJ Freeway, Suite 1500 Project 1		Toque State Com #. 23003-0002 Ashley Giovengo	502 H	Reported: 08/01/24 11:52
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
'S06 -3'	E407225-01A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
S07 - 3'	E407225-02A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
S08 - 2'	E407225-03A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
S09 - 2'	E407225-04A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
S11 - 3'	E407225-05A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
S14 -4-8.5'	E407225-06A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
815 - 3.5'	E407225-07A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
S16 - 4'	E407225-08A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
W02 -0-3'	E407225-09A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
W03 -0-3'	E407225-10A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
W04 -0-3'	E407225-11A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
W05 -0-3'	E407225-12A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
W06 -0-8.5	E407225-13A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
W07 -0-2.5'	E407225-14A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
W08 -0-2.5'	E407225-15A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.
817 - 2.5'	E407225-16A	Soil	07/25/24	07/29/24	Glass Jar, 2 oz.



	~	ample D				
Matador Resources, LLC.	Project Name		ue State Com	#502 H		
5400 LBJ Freeway, Suite 1500	Project Num		03-0002			Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo)		8/1/2024 11:52:42AM
		FS06 -3'				
		E407225-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2431012
Benzene	ND	0.0250	1	07/29/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/29/24	07/31/24	
Toluene	ND	0.0250	1	07/29/24	07/31/24	
p-Xylene	ND	0.0250	1	07/29/24	07/31/24	
o,m-Xylene	ND	0.0500	1	07/29/24	07/31/24	
Fotal Xylenes	ND	0.0250	1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	07/29/24	07/31/24	
Surrogate: Toluene-d8		99.2 %	70-130	07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	07/29/24	07/31/24	
Surrogate: Toluene-d8		99.2 %	70-130	07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORG) mg/kg	mg/kg	А	nalyst: NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/24	07/29/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/29/24	07/29/24	
Surrogate: n-Nonane		118 %	50-200	07/29/24	07/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: JM		Batch: 2431022
Chloride	26.4	20.0	1	07/29/24	07/29/24	

Sample Data



Sample Data

		ampie D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ie State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
		FS07 - 3'					
		E407225-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
p-Xylene	ND	0.0250		1	07/29/24	07/30/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		97.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		97.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	154	25.0		1	07/29/24	07/29/24	
Dil Range Organics (C28-C36)	65.5	50.0		1	07/29/24	07/29/24	
Surrogate: n-Nonane		115 %	50-200		07/29/24	07/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	53.5	20.0		1	07/29/24	07/29/24	



Sample Data

	5	ampic D	uta				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	ie State Co)3-0002 ley Gioven		Н		Reported: 8/1/2024 11:52:42AM
		FS08 - 2'					
		E407225-03					
		Reporting	5.1				N
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Foluene	ND	0.0250		1	07/29/24	07/30/24	
p-Xylene	ND	0.0250		1	07/29/24	07/30/24	
o,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Total Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.5 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		99.3 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.5 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		99.3 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/29/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/29/24	
Surrogate: n-Nonane		115 %	50-200		07/29/24	07/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	JM		Batch: 2431022
Chloride	51.7	20.0		1	07/29/24	07/29/24	



Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	ue State Co 03-0002 ley Gioven		Н		Reported: 8/1/2024 11:52:42AM
		FS09 - 2'					
		E407225-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
p-Xylene	ND	0.0250		1	07/29/24	07/30/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Total Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		102 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		96.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		102 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		96.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/29/24	
Surrogate: n-Nonane		108 %	50-200		07/29/24	07/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	JM		Batch: 2431022
Chloride	84.5	20.0		1	07/29/24	07/29/24	



Sample Data

		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ue State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
		FS11 - 3'					
		E407225-05					
Analyta	Result	Reporting Limit		lution	Duonouod	Analyzad	Notes
Analyte	Kesuit	Limit	DI		Prepared	Analyzed	Indies
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
p-Xylene	ND	0.0250		1	07/29/24	07/30/24	
o,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		102 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		99.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		102 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		99.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		103 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	27.5	20.0		1	07/29/24	07/29/24	



Sample Data

		mpic D	a eu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ue State C)3-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
	F	S14 -4-8.5'					
]	E407225-06					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
p-Xylene	ND	0.0250		1	07/29/24	07/30/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		106 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		99.3 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		106 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		99.3 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		106 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	253	20.0		1	07/29/24	07/29/24	



Sample Data

		impic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	ie State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
]	FS15 - 3.5'					
]	E407225-07					
Angles	Result	Reporting Limit	Dil	ution	Duranad	Austral	Notes
Analyte	Kesult	Limit	Dil	ution	Prepared	Analyzed	INOLES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
p-Xylene	ND	0.0250		1	07/29/24	07/30/24	
o,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		97.9 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		97.9 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		118 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	866	20.0		1	07/29/24	07/29/24	



Sample Data

		ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb	1	ie State C 03-0002	om #502	Н		Reported:
Dallas TX, 75240	Project Manag		ley Giovei	ngo			8/1/2024 11:52:42AM
		FS16 - 4'					
		E407225-08					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
o-Xylene	ND	0.0250		1	07/29/24	07/30/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		100 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		104 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		100 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		111 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2431022
Chloride	1680	20.0		1	07/29/24	07/29/24	



Sample Data

	~•	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		ie State Co 03-0002	om #502	Н		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ey Gioven	igo			8/1/2024 11:52:42AM
	\$	SW02 -0-3'					
		E407225-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
-Xylene	ND	0.0250		1	07/29/24	07/30/24	
,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Total Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		97.1 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		07/29/24	07/30/24	
urrogate: Toluene-d8		97.1 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2431003
Diesel Range Organics (C10-C28)	33.4	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		119 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	25.5	20.0		1	07/29/24	07/29/24	



Sample Data

	~	ampic D	a eu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	-	ue State Co 03-0002	om #502	Н		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	ngo			8/1/2024 11:52:42AM
		SW03 -0-3'					
		E407225-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
o-Xylene	ND	0.0250		1	07/29/24	07/30/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Total Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		97.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		97.0 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		94.0 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	ND	20.0		1	07/29/24	07/29/24	



Sample Data

		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ue State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
		SW04 -0-3'					
		E407225-11					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
p-Xylene	ND	0.0250		1	07/29/24	07/30/24	
o,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		98.3 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		98.3 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		116 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	ND	20.0		1	07/29/24	07/29/24	



Sample Data

		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	ie State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
		SW05 -0-3'					
]	E407225-12					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/30/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/30/24	
Toluene	ND	0.0250		1	07/29/24	07/30/24	
o-Xylene	ND	0.0250		1	07/29/24	07/30/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/30/24	
Total Xylenes	ND	0.0250		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		102 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		96.8 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/30/24	
Surrogate: Bromofluorobenzene		102 %	70-130		07/29/24	07/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		07/29/24	07/30/24	
Surrogate: Toluene-d8		96.8 %	70-130		07/29/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		113 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	89.7	20.0		1	07/29/24	07/29/24	



Sample Data

		impic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ie State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
	S	W06 -0-8.5					
		E407225-13					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/31/24	
Toluene	ND	0.0250		1	07/29/24	07/31/24	
p-Xylene	ND	0.0250		1	07/29/24	07/31/24	
o,m-Xylene	ND	0.0500		1	07/29/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.2 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.2 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		111 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	ND	20.0		1	07/29/24	07/29/24	



Sample Data

		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 230	ie State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
	S	W07 -0-2.5'					
]	E407225-14					
Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
-	mg/kg	mg/kg	51	Analyst:	-	1 1141 / 204	Batch: 2431012
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	07/29/24	07/31/24	Batch: 2431012
Benzene Ethylbenzene	ND ND	0.0250		1	07/29/24	07/31/24	
Toluene	ND	0.0250		1	07/29/24	07/31/24	
p-Xylene	ND	0.0250		1	07/29/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/31/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		106 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.6 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		106 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.6 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		117 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	71.3	20.0		1	07/29/24	07/29/24	



Sample Data

		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ie State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
	S	W08 -0-2.5'					
]	E407225-15					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/31/24	
Toluene	ND	0.0250		1	07/29/24	07/31/24	
o-Xylene	ND	0.0250		1	07/29/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	ND	25.0		1	07/29/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		112 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	86.3	20.0		1	07/29/24	07/29/24	



Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	ue State Co 03-0002 ley Giover		Н		Reported: 8/1/2024 11:52:42AM
]	FS17 - 2.5'					
]	E407225-16					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Benzene	ND	0.0250		1	07/29/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/29/24	07/31/24	
Toluene	ND	0.0250		1	07/29/24	07/31/24	
p-Xylene	ND	0.0250		1	07/29/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/29/24	07/31/24	
Fotal Xylenes	ND	0.0250		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2431012
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/29/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130		07/29/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		07/29/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130		07/29/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2431003
Diesel Range Organics (C10-C28)	397	25.0		1	07/29/24	07/30/24	
Dil Range Organics (C28-C36)	170	50.0		1	07/29/24	07/30/24	
Surrogate: n-Nonane		110 %	50-200		07/29/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2431022
Chloride	748	20.0		1	07/29/24	07/29/24	



QC Summary Data

Matador Resources, LLC.		Project Name:	То	que State Com	#502 H				
5400 LBJ Freeway, Suite 1500		Project Number:		003-0002	11 302 11				Reported:
		5						o	1/2024 11.52.42 4 14
Dallas TX, 75240		Project Manager:	As	shley Giovengo				8/	/1/2024 11:52:42AM
		Volatile Organic	Compou	unds by EPA	A 82601	3			Analyst: RKS
Analyte		Reporting	Spike	Source		Rec	DDD	RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
Blank (2431012-BLK1)							Prepared: 0	7/29/24 Ana	lyzed: 07/31/24
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	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			
LCS (2431012-BS1)							Prepared: 0	7/29/24 Ana	lyzed: 07/31/24
Benzene	2.31	0.0250	2.50		92.4	70-130			•
Ethylbenzene	2.40	0.0250	2.50		95.9	70-130			
Toluene	2.22	0.0250	2.50		88.8	70-130			
	2.41	0.0250	2.50		96.5	70-130			
o-Xylene									
p,m-Xylene	4.80 7.21	0.0500	5.00 7.50		95.9 96.1	70-130 70-130			
Total Xylenes		0.0250	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.513								
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			
Matrix Spike (2431012-MS1)				Source: E			Prepared: 0	7/29/24 Ana	lyzed: 07/31/24
Benzene	2.29	0.0250	2.50	ND	91.6	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.1	45-135			
Toluene	2.21	0.0250	2.50	ND	88.5	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135			
p,m-Xylene	4.76	0.0500	5.00	ND	95.2	43-135			
Total Xylenes	7.15	0.0250	7.50	ND	95.3	43-135			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			
Matrix Spike Dup (2431012-MSD1)				Source: E	407225-0	01	Prepared: 0	7/29/24 Ana	lyzed: 07/31/24
Benzene	2.39	0.0250	2.50	ND	95.6	48-131	4.30	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.5	45-135	4.50	27	
Toluene	2.30	0.0250	2.50	ND	92.2	48-130	4.10	24	
o-Xylene	2.56	0.0250	2.50	ND	102	43-135	6.82	27	
p,m-Xylene	5.08	0.0500	5.00	ND	102	43-135	6.62	27	
Total Xylenes	7.64	0.0250	7.50	ND	102	43-135	6.69	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
	0.488 0.491		0.500						
Surrogate: Toluene-d8					98.2	70-130			



QC Summary Data

		QU DI		ary Date	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	`oque State Con 3003-0002 Ashley Gioveng					Reported: 8/1/2024 11:52:42AM
	No	onhalogenated O	rganics	by EPA 801	5D - GR	0			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431012-BLK1)							Prepared: 0	7/29/24	Analyzed: 07/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			
LCS (2431012-BS2)							Prepared: 0	7/29/24	Analyzed: 07/31/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			
Matrix Spike (2431012-MS2)				Source: l	E407225-0	1	Prepared: 0	7/29/24	Analyzed: 07/31/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.9	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
Matrix Spike Dup (2431012-MSD2)				Source: l	E407225-0	1	Prepared: 0	7/29/24	Analyzed: 07/31/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	4.40	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
	0 101		0.500		061	70 120			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			



QC Summary Data

		QU N		ary Date	-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Foque State Cor 23003-0002	m #502 H				Reported:
Dallas TX, 75240		Project Manager:	1	Ashley Gioveng	jo				8/1/2024 11:52:42AM
	Nonh	alogenated Org	anics by	y EPA 8015E) - 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 (2431003-BLK1)							Prepared: 0	7/29/24 A	analyzed: 07/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	50-200			
LCS (2431003-BS1)							Prepared: 0	7/29/24 A	analyzed: 07/29/24
Diesel Range Organics (C10-C28)	297	25.0	250		119	38-132			
Surrogate: n-Nonane	58.3		50.0		117	50-200			
Matrix Spike (2431003-MS1)				Source:	E407225-	07	Prepared: 0	7/29/24 A	analyzed: 07/29/24
Diesel Range Organics (C10-C28)	325	25.0	250	ND	130	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			
Matrix Spike Dup (2431003-MSD1)				Source:	E407225-	07	Prepared: 0	7/29/24 A	analyzed: 07/29/24
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	12.1	20	
Surrogate: n-Nonane	57.3		50.0		115	50-200			



QC Summary Data

		L L		•					
Matador Resources, LLC.		Project Name:	,	Toque State Co	m #502 H				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23003-0002					
Dallas TX, 75240		Project Manager	: .	Ashley Gioveng	go				8/1/2024 11:52:42AM
		Anions	by EPA	300.0/90564	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431022-BLK1)							Prepared: 0	7/29/24 A	nalyzed: 07/29/24
Chloride	ND	20.0							
LCS (2431022-BS1)							Prepared: 0	7/29/24 A	nalyzed: 07/29/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2431022-MS1)				Source:	E407225-0)5	Prepared: 0	7/29/24 A	nalyzed: 07/29/24
Chloride	280	20.0	250	27.5	101	80-120			
Matrix Spike Dup (2431022-MSD1)				Source:	E407225-0)5	Prepared: 0	7/29/24 A	nalyzed: 07/29/24
Chloride	285	20.0	250	27.5	103	80-120	1.89	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.



Matador Resources, LLC.	Project Name:	Toque State Com #502 H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/01/24 11:52

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



Chain of Custody

	Clie	nt Inform							Lab Use On							TAT State				e	
Client: N	Aatador Proc	luction Co	ompany		Company: Ensolum LLC		Lab	WO	ŧ		Job	Num	ber		1D	2D 3	D Std	1	MM (CO UT	TX
Project:	Toque State	Com #50)2H		Address: 3122 National Par	rks Hwy	EL	107	225	5	230	500	- 00	02	1		x	×		6. (P. 1. (
Project N	Aanager: As	hley Giov	engo		City, State, Zip: Carlsbad NM	M, 88220															
	3122 Natio				Phone: 575-988-0055						Ana	alysis	and	Met	hod				EPA	Progra	am
City, Stat	e, Zip: Carls	bad NM,	88220		Email: agiovengo@ensolu	ım.com				-								SDW	/A	CWA	RCR
Phone: 5	575-988-005	5			Miscellaneous:																
Email: a	giovengo@e	nsolum.c	om					8015	8015									Comp	liance	e Y	or
								oy 80	oy 80	51	0	0.0	5	×	tals			PWSI	D #		
				Sample Inf	ormation			ROF	ROP	y 8021	826	le 30	N-N	- 500	Met						
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Number	DRO/ORO by	GRO/DRO by	BTEX by	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				R	Remarks	
12:06	7/25/2024	S	1		FS06 - 3'		1						x								
12:04	7/25/2024	S	1		FS07 - 3'								x								
9:17	7/25/2024	S	1		FS08 - 2'								x								
9:15	7/25/2024	S	1			3						x									
12:08	7/25/2024	S	1			5						x									
15:18	7/25/2024	S	1			6						x									
15:28	7/25/2024	S	1	FS15 - 3.5'			7						x								
14:30	7/25/2024	S	1		FS16 - 4'								x								
12:42	7/25/2024	S	1		SW02 - 0-3'		89						x								
12:44	7/25/2024	s	1	0	SW03 - 0-3'		10						x							700	
	l nal Instructio ns@ensolun		ase CC: ct	urton@ensolu	n.com, agiovengo@ensolum.co	om, iestrella(m.co	n, bc	deal(@ens	solun	n.coi	m, ch	lamil	ton@e	nsolum	n.com,			
	pler), attest to the :Cole Burton_	e validity and	authenticity	of this sample. I am a	aware that tampering with or intentionally n	nislabeling the sar	nple locatio	n, date	or time	e of co	ollectio	n is co	nsider	ed frau	ud and	may be gi	ounds for	legal ac	tion.		
	ed by: (Signatu	わ	Date	126/24 Time	30 Michelle Gon	ales Date	4.24	Time	730	S			sampl		eceived					n ice the day out less than	
Wie	ed by: (Signatu	onzal	Date Date Date	26.24 Time 150 Time	Received by: (Signature)	So 7. Date	26.24	Time Time	72	00					doni	ice:	Lab Us		y		
kndi	and of	6880	7.7	6.24 23	45 Junih R Ha	10 79	9-24	0	50	π			<u>T1</u>			_ <u>I</u>	2		_ 1	3	_
Relinquish	ed by: (Signatu	re)	Date	Time	Received by: (Signature)	Date		Time							np°C						
Sample Mat	trix: S - Soil, Sd - S	iolid, Sg - Slu	dge, A - Aque	ous, O - Other		Con	ainer Typ	e:g-	glass	, p - 1	poly/	plasti	c, ag	- am	ber g	ass, v -	VOA				

Page 27 of 29

C

envirotech

eceived by OCD: 11/20/2024 2:13:44 PM

Chain of Custody

	Clier	nt Inform	ation			Invoice Informa	ion				Lab	Use	Only				TAT			State
lient: I	Aatador Prod	uction Co	ompany		Cor	mpany: Ensolum LLC			Lab WO# Job Nu							1D	2D 3D	Std	NM C	O UT TX
roject:	Toque State	Com #50	2H		Add	dress: 3122 National Par	ks Hwy		EH	407225				03-0	2002			x	x	
roject l	Aanager: Asl	nley Giov	engo		City	, State, Zip: Carlsbad NN	1, 88220		-											
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3122 Nation		the second s			one: 575-988-0055			L			F	Analys	is an	d Me	thod				Program
	te, Zip: Carls		88220		Em	ail: agiovengo@ensolu	m.com												SDWA	CWA RCRA
	575-988-005	and the second second second			Mise	cellaneous:														
mail: a	giovengo@e	nsolum.c	om							3015	8015							L L	Compliance PWSID #	Y or M
				Sample I	oformatic	an			-	by 8	by 8	021	090	W	TX	etals			FVV3ID #	
Time				Sample i		A CONTRACTOR OF A CONT	b	ti la	h	ORC	DRO	by 8	S Aq	00-1	1005	8 M			R	emarks
Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lal Num	ber	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
12:46	7/25/2024	S	1		S	SW04 - 0-3'		11						x						
12:48	7/25/2024	S	1		SW05 - 0-3'				2					x						
12:51	7/25/2024	S	1		SW06 - 0-8.5'									x						
12:56	7/25/2024	S	1	1	SW07 - 0-2.5'			13	4			1	1	x						
12:57	7/25/2024	S	1	SW08 - 0-2.5'					5			-	-	x						
11:51	7/25/2024			FS17 - 2.5'							_	-	-		-		-			
	7/25/2024	S	1						6			-		X			_			
		S	1																	
	7/25/2024	5	1																	
	7/25/2024	5	H																	
	7/25/2024	-5-							1											
dditio	al Instructio	nci Dio		urton@enso	um com	agiovengo@ensolum.co	m jestrell	la@ens	olum	com	hde	al@	ensol	um co	m cl	hamilt	on@en	solum	com	
	ns@ensolum			antone chiso	unitediti,	a Bioten Bole chionannico	in, iesti en	ue ens	orunn		, buc	une	chison		,,, ,		oneen	Jorann		
			authenticity	of this sample. I a	m aware that	t tampering with or intentionally m	islabeling the	sample loo	cation,	date o	r time o	f colle	ection is	conside	red fra	ud and r	nay be grou	unds for	legal action.	
	:Cole Burton				_	1.			-		_	-		1.						
telinquis	hed by: (Signatur	re)	Date	26/24 T	30	Received by: (Signature)	ales -	1-26-2	24	D	30			sam	pled or i	eceived p				ice the day they are It less than 6 °C on
Relinguis	ned by: (Signatu	re)	Date	Time		Received by: (Signature)	Da	ate		Time	11			subs	equent	davs	L	ab Us	e Only	
Wije		ongole	eg 7.	26-24 1.	530	chodra Mue	80 /	.26.1	14	11	S			Re	ceive	d on i		V/N		
Relinguis	ed by: (Signatu					Received by: (Signature)		ate	1	Time										
Kal	as al	10KXp	1:	26.24 2	345	Rypha R He	24 7	1-29-	24	0:	500	2		<u>T1</u>	ha		<u>T2</u>		<u>T</u>	3
elinquis	ned by: (Signatu	re)	Date	Time		Received by: (Signature)	Da	ate	T	Time							11			
								antoint	Tur		lass		h			mp °C	4			
	trix: S - Soil, Sd - S				aloss stb.	arrangements are made. Haza		1.000			and the second				-		iss, v - V(20.00 M	for the enclus	is of the shour
						this COC. The liability of the la									ne che	ant expe	inse. The l	report	for the analysi	is of the above

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	07/29/24	05:00	Work Order ID:	E407225
Phone:	(972) 371-5200 I	Date Logged In:	07/26/24	16:42	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	08/02/24	17:00 (4 day TAT)		
Chain o	<u>f Custody (COC)</u>					
. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	n the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
5. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are r		Yes			
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample to	mnerature: 4º	C			
		mperature. <u>4</u>	<u>c</u>			
	Container aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containe	rs collected?	Yes			
Field La			100			
	e field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
]	Date/Time Collected?		Yes			
	Collectors name?		No			
-	Preservation	10				
	s the COC or field labels indicate the samples were pres	served?	No			
	sample(s) correctly preserved?	tala9	NA			
	b filteration required and/or requested for dissolved me	ta15 (No			
	nase Sample Matrix	0				
	s the sample have more than one phase, i.e., multiphase		No			
27. If ye	es, does the COC specify which phase(s) is to be analyz	ed?	NA			
	tract Laboratory					
Subcont						
28. Are	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No			

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



•



APPENDIX E

Email Correspondence

From:	SLO Spills
To:	Ashley Giovengo; SLO Spills; David, Deon W.; clinton.talley@matadorresources.com; Jason Touchet
Cc:	Cole Burton; Chad Hamilton; Israel Estrella
Subject:	RE: Notice of Release - Toque State Com #502H - Incident Number nAPP2410854853
Date:	Tuesday, April 23, 2024 3:23:55 PM
Attachments:	image001.png
	image002.png
	image003.png
	image004.png

[**EXTERNAL EMAIL**]

Thank you for the additional information.

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, April 23, 2024 8:50 AM
To: Griffin, Becky R. <bgriffin@slo.state.nm.us>; SLO Spills <spills@slo.state.nm.us>; David, Deon W.
<ddavid@slo.state.nm.us>; clinton.talley@matadorresources.com; Jason Touchet
<jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Israel
Estrella <iestrella@ensolum.com>
Subject: [EXTERNAL] Notice of Release - Toque State Com #502H - Incident Number
nAPP2410854853

Good Morning,

Please see the attached spill notification form and photos for the minor release the Toque State Com #502H. Please let me know if you have any questions.

Thanks,



Ashley Giovengo Senior Scientist 575-988-0055 Ensolum, LLC in f Y

"Your authenticity is your superpower." - Unknown
From:	Velez, Nelson, EMNRD
To:	Ashley Giovengo
Cc:	<u>clinton.talley@matadorresources.com; jason.touchet@matadorresources.com; Cole Burton; Chad Hamilton;</u> Bratcher, Michael, EMNRD
Subject:	Re: [EXTERNAL] Extension Request - Toque State Tank Battery - Incident Number nAPP2410854853
Date:	Thursday, July 11, 2024 12:40:37 PM
Attachments:	image001.png image002.png image003.png Outlook-todycmch.png

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

Your 90-day time extension request is approved. Remediation Due date has been updated to October 15, 2024.

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

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

Regards,

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, July 11, 2024 8:55 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Toque State Tank Battery - Incident Number nAPP2410854853

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Thursday, July 11, 2024 6:46 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD

<Nelson.Velez@emnrd.nm.gov>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>

Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com> **Subject:** [EXTERNAL] Extension Request - Toque State Tank Battery - Incident Number nAPP2410854853

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

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of July 15, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Toque State Tanke Battery (Incident Number nAPP2410854853). The release occurred on April 16, 2024, and lateral and vertical delineation sampling to the strictest criteria per NMOCD Table 1 has been completed at the Site. Matador has met with subcontractors and the area is currently being marked for a one-call. Matador plans to begin remediation and confirmation soil sampling activities at the site on 07/17/2024. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until October 13, 2024. Please let me know if you have any further questions regarding this site.

Thanks,



Ashley Giovengo Senior Scientist 575-988-0055 Ensolum, LLC in f X

"Your authenticity is your superpower." – Unknown

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

District III

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

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

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

PageH4Jeof 1/3

QUESTIONS

Action 334649

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	334649
	Action Type:
	[NOTIFY] Notification Of Release (NOR)
QUESTIONS	
Location of Release Source	

Please answer all the questions in this group.	
Site Name	Toque State Tank Battery
Date Release Discovered	04/16/2024
Surface Owner	State

Incident Details

Nease answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	Νο
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 fo	r the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 23 BBL Recovered: 7 BBL Lost: 16 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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.

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

District III

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

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

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	334649
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ion immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare

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

District III

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

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

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

ACKNOWLEDGMENTS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	334649
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

$\overline{\checkmark}$	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
	l acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
	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.
V	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
M	l acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

ACKNOWLEDGMENTS

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	334649
	Action Type:
	[NOTIEY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
c_talley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141.	4/17/2024

	7
Impacted Soil	
Saturated Soil (inches)	1
1	
3468.9	<u>)</u>
Standing fluids	
inches of standing fluid	
(<u>)</u>
bbl estimate of standing fluids	_
0.0	2
barrels recovered (if known)	-
	-
Coil turo	-
Soil type pad caliche	-
Spill type	-
produced water	-
Barrel estimate in soil	-
10.3	
Barrel estimate (standing fluids/ recovered+in soil)	
17.3	
	need to populate or select

Impacted Soil	
Saturated Soil (inches)	
18	
15.61	
Standing fluids	
inches of standing fluid	
0	
bbl estimate of standing fluids	
0.0	
barrels recovered (if known)	
0	
Soil type	
pad caliche	
Spill type	
produced water	
Barrel estimate in soil	
0.8	
Barrel estimate (standing fluids/ recovered+in soil)	
0.8	
	need to populate or select

	1
Impacted Soil	
Saturated Soil (inches)	
1	
220.51	
Standing fluids	
inches of standing fluid	
1	
bbl estimate of standing fluids	
4.4	
barrels recovered (if known)	
Soil type	
pad caliche	
Spill type	
produced water	
Barrel estimate in soil	
0.7	
Barrel estimate (standing fluids/ recovered+in soil)	
5.0	
	need to populate or select

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

District III

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

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

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

PageH54eof 173

QUESTIONS

Action 335630

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	335630
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

QUESTIONS Proroquisitos

rierequisites	
Incident ID (n#)	nAPP2410854853
Incident Name	NAPP2410854853 TOQUE STATE TANK BATTERY @ 30-025-44785
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-44785] TOQUE STATE COM #502H
Incident Facility	[fAPP2203328435] TOQUE STATE FACILITY TANK BATTERY

Location of Release Source

Please answer all the questions in this group.		
Site Name	Toque State Tank Battery	
Date Release Discovered	04/16/2024	
Surface Owner	State	

Incident Details

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

Nature and Volume of Release

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 23 BBL Recovered: 7 BBL Lost: 16 BBL.
Produced Water Released (bbls) Details	Not answered.
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.

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

District III

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

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

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	335630
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Initial Response

The source of the release has been stopped

Nature and Volume of Release (continued)	
No, according to supplied volumes this does not appear to be a "gas only" report.	
No	
Unavailable.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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

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 o ed 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.

True

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: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com
	Date: 04/21/2024

QUESTIONS, Page 2

PageH55eof 1/3

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

District III

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

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

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	335630
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the elease discovery date. What is the shallowest depth to groundwater beneath the area affected by the

Not answered.		
Not answered.		
Not answered.		
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
Not answered.		

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

No 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.

PageH56cof 173

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

District III

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

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	335630
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By		Condition Date
scwells	None	4/22/2024

Action 335630

.

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

District III

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

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

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

Page1158eof 1/3 QUESTIONS

Action 364944

Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	364944	
	Action Type:	
	[NOTIFY] Notification Of Sampling (C-141N)	

QUESTIONS

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2410854853	
Incident Name	NAPP2410854853 TOQUE STATE TANK BATTERY @ 30-025-44785	
Incident Type	Oil Release	
Incident Status	Initial C-141 Approved	
Incident Well	[30-025-44785] TOQUE STATE COM #502H	
Incident Facility	[fAPP2203328435] TOQUE STATE FACILITY TANK BATTERY	

Location of Release Source

Site Name	TOQUE STATE TANK BATTERY
Date Release Discovered	04/16/2024
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,705	
What is the estimated number of samples that will be gathered	22	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/22/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.5076443, -103.6146623	

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364944
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS			
Cre	eated By	Condition	Condition Date
j_	touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/17/2024

CONDITIONS

PageH59eof 1/3

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

District III

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

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

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

Page116@of 1/3 QUESTIONS

Action 364949

QUESTIONS		
Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	364949	
	Action Type:	
	[NOTIFY] Notification Of Sampling (C-141N)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410854853
Incident Name	NAPP2410854853 TOQUE STATE TANK BATTERY @ 30-025-44785
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44785] TOQUE STATE COM #502H
Incident Facility	[fAPP2203328435] TOQUE STATE FACILITY TANK BATTERY

Location of Release Source		
Site Name	TOQUE STATE TANK BATTERY	
Date Release Discovered	04/16/2024	
Surface Owner	State	

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,705	
What is the estimated number of samples that will be gathered	22	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/23/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.5076443, -103.6146623	

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364949
	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.	7/17/2024

CONDITIONS

PageH6Jeof 1/3

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

District III

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

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

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

Page1162eof 1/3 QUESTIONS

Action 364951

QUESTIONS	
Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364951
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410854853
Incident Name	NAPP2410854853 TOQUE STATE TANK BATTERY @ 30-025-44785
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44785] TOQUE STATE COM #502H
Incident Facility	[fAPP2203328435] TOQUE STATE FACILITY TANK BATTERY

Location of Release Source

Site Name	TOQUE STATE TANK BATTERY
Date Release Discovered	04/16/2024
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,705	
What is the estimated number of samples that will be gathered	22	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/24/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	N/A	
Please provide any information necessary for navigation to sampling site	32.5076443, -103.6146623	

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	364951
	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.	7/17/2024

CONDITIONS

PageH63eof 1/3

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

District III

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

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

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

PageH64eof 1/3

QUESTIONS

Action 367513

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	367513
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410854853
Incident Name	NAPP2410854853 TOQUE STATE TANK BATTERY @ 30-025-44785
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44785] TOQUE STATE COM #502H
Incident Facility	[fAPP2203328435] TOQUE STATE FACILITY TANK BATTERY

Location of Release Source

Site Name	TOQUE STATE TANK BATTERY
Date Release Discovered	04/16/2024
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,705
What is the estimated number of samples that will be gathered	22
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/25/2024
Time sampling will commence	09:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Excavation took one Extra Day	
Please provide any information necessary for navigation to sampling site	32.5076443, -103.6146623	

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	367513
	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.	7/25/2024

CONDITIONS

PageH65eof 1/3

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

Action Type:

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Page 166 of 173

QUESTIONS

Action 405317

QUESTIONS	
MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre Dallas, TX 75240	Action Number: 405317

QUESTIONS

Operator:

Prerequisites	
Incident ID (n#)	nAPP2410854853
Incident Name	NAPP2410854853 TOQUE STATE TANK BATTERY @ 30-025-44785
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-44785] TOQUE STATE COM #502H
Incident Facility	[fAPP2203328435] TOQUE STATE FACILITY TANK BATTERY

Location of Release Source

Please answer all the questions in this group.	
Site Name	TOQUE STATE TANK BATTERY
Date Release Discovered	04/16/2024
Surface Owner	State

Incident Details

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

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	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 23 BBL Recovered: 7 BBL Lost: 16 BBL.
Produced Water Released (bbls) Details	Not answered.
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.

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

Page 167 of 173

QUESTIONS, Page 2

Action 405317

QUESTIONS (continued)	
-----------------------	--

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405317
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully complete	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of red or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of
Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure e	valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the 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 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: 11/20/2024

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 (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405317
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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 as	sociated 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 milligr	ams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	8810
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	16060
GRO+DRO (EPA SW-846 Method 8015M)	11920
BTEX (EPA SW-846 Method 8021B or 8260B)	15
Benzene (EPA SW-846 Method 8021B or 8260B)	3
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	07/23/2024
On what date will (or did) the final sampling or liner inspection occur	07/25/2024
On what date will (or was) the remediation complete(d)	07/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	400
What is the estimated volume (in cubic yards) that will be reclaimed	15
What is the estimated surface area (in square feet) that will be remediated	3880
What is the estimated volume (in cubic yards) that will be remediated	617
These estimated dates and measurements are recognized to be the best guess or calculation at the tim	ne of submission and may (be) change(d) over time as more remediation efforts are completed.

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

Released to Imaging: 3/10/2025 3:19:18 PM

QUESTIONS, Page 3

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

Page	169	of	173

QUESTIONS, Page 4

Action 405317

QUESTIONS (continued)	
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre Dallas, TX 75240	Action Number: 405317
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

Remediation Plan (continued)

his remediation will (or is expected to) utilize the following processes to remediate	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land
(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.
er Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef nich 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 NM

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: 11/20/2024

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.

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	(continued)

do Eo Horto (contandod)	
OGRID:	
228937	
Action Number:	
405317	
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QU	EST	FIOI	٧S

Deterral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 405317

Page 171 of 173

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405317
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	367513
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/25/2024
What was the (estimated) number of samples that were to be gathered	22
What was the sampling surface area in square feet	3705

Remediation Closure Request
Only analysis the guartiana in this gray

Only answer the questions in this group if seeking remediation closure for this release because all r	remediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3880
What was the total volume (cubic yards) remediated	617
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	400
What was the total volume (in cubic yards) reclaimed	15
Summarize any additional remediation activities not included by answers (above)	N/A
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 repo	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 rt does not relieve the operator of responsibility for compliance with any other federal, state, or tially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
	Title: EUS Eidd Den

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com
	Date: 11/20/2024

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 (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405317
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

QUESTIONS

 Reclamation Report

 Only answer the questions in this group if all reclamation steps have been completed.

 Requesting a reclamation approval with this submission

 No

Page 172 of 173

QUESTIONS, Page 7

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

Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	405317	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS		
Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	3/10/2025

CONDITIONS

CONDITIONS