

June 19, 2024

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

Re: Deferral Request Addendum
Voni East Facility Tank Battery
Incident Numbers nAPP2313247620
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request Addendum* (DRA) to document assessment, excavation, and soil sampling activities at the Voni East Facility 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 produced water onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *DRA*, describing additional Site assessment and confirmation sampling activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2313247620 until the Site is reconstructed and/or the well pad is abandoned.

On November 30, 2023, Ensolum submitted a Deferral Request (DR) to the New Mexico Oil Conservation Division (NMOCD); however, the DR was denied by the New Mexico Oil Conservation Division (NMOCD) for the following reasons:

Deferral denied. In sampling notification provided to the OCD for 11/13/2023, you said you were going to recollect 2 confirmation floor samples, however this lab report is missing from the report. Include all laboratory reports in resubmittal. Per 19.15.29.12(C)2 NMAC, "the deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water." The "step-out" samples on pad to verify the edge of the release should only be a maximum of 1-2 feet from the observed edge of the release. Stepping out away from the release area to conduct horizontal delineation samples may tell us whether or not the release left the active well pad, but it does not tell us where the actual edge of the release is located. SS05, SS06 and SS08 are too far away from edge of release to laterally define it. Recollect these horizontal delineation samples closer to requested deferral area(s) i.e., within a few feet. Once you have these sample points submit a new deferral request to OCD by 6/3/2024.

This DRA addresses NMOCD's concerns regarding the missing laboratory analytical results for confirmation floor sample FS11 at 2 feet below ground surface (bgs) and the step-out samples required to laterally defining the release extent on-pad.

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



SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in in Unit E, Section 21, Township 26 South, Range 31 East, in Eddy County, New Mexico (32.03343°, -103.77998°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 12, 2023, a blind flange was not added to the end of a production water dump line during routine facility maintenance and as a result, approximately 46 barrels (bbls) of produced was released onto the well pad. Matador submitted a Release Notification Form C-141 (Form C-141) on May 13, 2023, to the NMOCD, and the release was subsequently assigned Incident Number nAPP2313247620 (see Appendix A).

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-4769-POD1, with a depth to water measurement of greater than 101 feet bgs. The well is located 0.24 miles northwest of the Site and the most recent documented water level measurement was collected on September 8, 2023, indicating groundwater was not present in the boring and that groundwater is present at depths greater than 101 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a wetland, located approximately 1,816 feet 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 June 7, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eight preliminary soil samples (SS01 through SS08) were collected within and around the release extent at a depth of approximately 0.5 feet bgs to assess the release and the lateral extent of the potentially impacted soil. The preliminary soil samples were field screened for volatile organic compounds (VOCs) and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations from the boreholes were logged on a lithologic/soil sampling log, which is included in Appendix C. 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 is included in Appendix D.

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. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for analysis of the following contaminants 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.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS03 indicated COC concentrations were all in compliance with the Site Closure Criteria. Preliminary soil sample SS04, located within the release extent, indicated concentrations of TPH-GRO/TPH-DRO exceeded the Site Closure Criteria at 0.5 feet bgs. Preliminary soil samples SS05 through SS08, located outside of the release extent, were all in compliance with the strictest Closure Criteria per NMOCD Table I, except SS08 which was recollected. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for select preliminary soil samples, additional delineation and remediation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On July 13, 2023, Ensolum personnel returned to the Site to complete additional delineation sampling activities. Three boreholes associated with surface soil sample locations SS01 through SS03 were advanced via hydrovac, to assess the vertical extent of the spill area to the strictest Closure Criteria per NMOCD Table I. Discrete soil samples were collected from each borehole at depths ranging from 0.5 feet to 2 feet bgs in sample locations SS01 and SS02 and depths ranging from 0.5 feet to 4 feet bgs in sample location SS03. The hydrovac encountered refusal in sample location SS01 at 5 feet bgs. Preliminary soil sample SS08 exceeded the strictest Closure Criteria and was recollected laterally to the west; the sample location is designated by SS08A.

Between October 30 and October 31, 2023, Ensolum personnel were onsite to oversee the continuation of delineation activities and to complete remediation of the accessible spill area. Two boreholes associated with surface soil sample locations (SS01 and SS04) were advanced with a mini excavator and a with a skid-steer equipped with auger attachment. Discrete soil samples were collected from each borehole at depths ranging from 6 feet to 9 feet bgs in sample location SS01 and depths ranging from 0.5 feet to 5 feet bgs in sample location SS04. Soil from the boreholes was field screened for TPH using a PetroFLAG® Hydrocarbon Analysis System and chloride test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2. Delineation soil samples were handled, preserved, and analyzed in the same manner as described above.



Excavation of the accessible spill area was completed with a backhoe, mini excavator, and hand tools. Following removal of soil, Ensolum personnel collected 12, 5-point composite soil samples representing up to 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. One confirmation sidewall sample was collected from an area where the excavation ranged in depth from ground surface to 2-feet bgs. The excavation confirmation soil samples were handled, preserved, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

Ensolum personnel returned to the Site on November 13, 2023, to remove additional impacted soil in confirmation sample location FS11. The remediation was completed with a mini excavator to a depth of 2 feet bgs. The final excavation extent measured approximately 2,094 square feet. A total of approximately 140 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with safety fencing.

On May 20, 2024, Ensolum personnel returned to the Site in order to collect lateral delineation samples closer in proximity to the release extent in sample locations SS05, SS06, and SS08A. Three lateral delineation soil samples (SS05A, SS06A, and SS08B) were collected at ground surface and field screened for VOC's and chloride in the same manner as previously described. Lateral delineation samples SS05A and SS06A were collected at the edge of the release extent and lateral delineation sample point SS08B was collected approximately 16 feet from the edge of the release extent. Ensolum personnel collected two confirmation soil samples FS13 and FS14 at ground surface in between the edge of the release extent and lateral delineation sample point SS08B (see figures 2 and 3).

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for vertical delineation soil samples SS01 through SS04 were all in compliance with the strictest Closure Criteria at 9 feet, 4 feet, 3 feet, and 5 feet bgs, respectively. Lateral delineation soil sample SS08A was also in compliance with the strictest Closure Criteria and with the Site Closure Criteria at 0.5 feet bgs.

Laboratory analytical results for final confirmation floor and sidewall soil samples indicated all COCs were in compliance with the Site Closure Criteria except for confirmation soil sample FS11. Confirmation soil sample FS11 was resampled on November 13, 2023, and was in compliance with the Closure Criteria for the Site. Laboratory analytical results are summarized in Tables 1 and 2 and laboratory analytical reports are included in Appendix E.

Laboratory analytical results from the three lateral delineation soil samples (SS05A, SS06A, and SS08B) collected at ground surface were all in compliance with the Site closure criteria as well as the strictest Closure Criteria per NMOCD Table 1. Confirmation floor samples FS13 and FS14, collected at ground surface, were both in compliance with the Site Closure Criteria.

DEFERRAL REQUEST

Matador is requesting deferral of final remediation (see deferral area depicted on Figure 4) due to the presence of active production equipment and surface pipelines surrounding the spill area preventing full excavation of impaired soil. The remaining impaired soil is limited to the areas directly surrounding or beneath active production where remediation would require a major facility deconstruction. The soil remaining in place is delineated vertically by delineation soil samples SS01F and SS04D, collected at 6 feet and 4 feet bgs, respectively. The soil is laterally delineated by delineation soil samples SS05A,



SS06A, SS07 and SS08B. Confirmation soil samples FS13 and FS14, collected at ground surface, further indicate that the soil in between the release extent and lateral delineation sample point SS08B are in compliance with the Site criteria and will not require remediation until the Site is reclaimed.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 101 feet bgs, and the water well is 0.24 miles northwest of the Site.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2313247620 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely, **Ensolum, LLC**

Ashley Giovengo Senior Scientist

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

Clinton, Talley, Matador Production Company CC:

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map Figure 2 Preliminary Soil Sample Locations **Delineation Soil Sample Locations** Figure 3 Figure 4 Deferral Area Map

Soil Sample Analytical Results Table 1

Appendix A Form C-141

Appendix B Referenced Well Records Appendix C Lithologic / Soil Sampling Logs

Appendix D Photographic Log

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

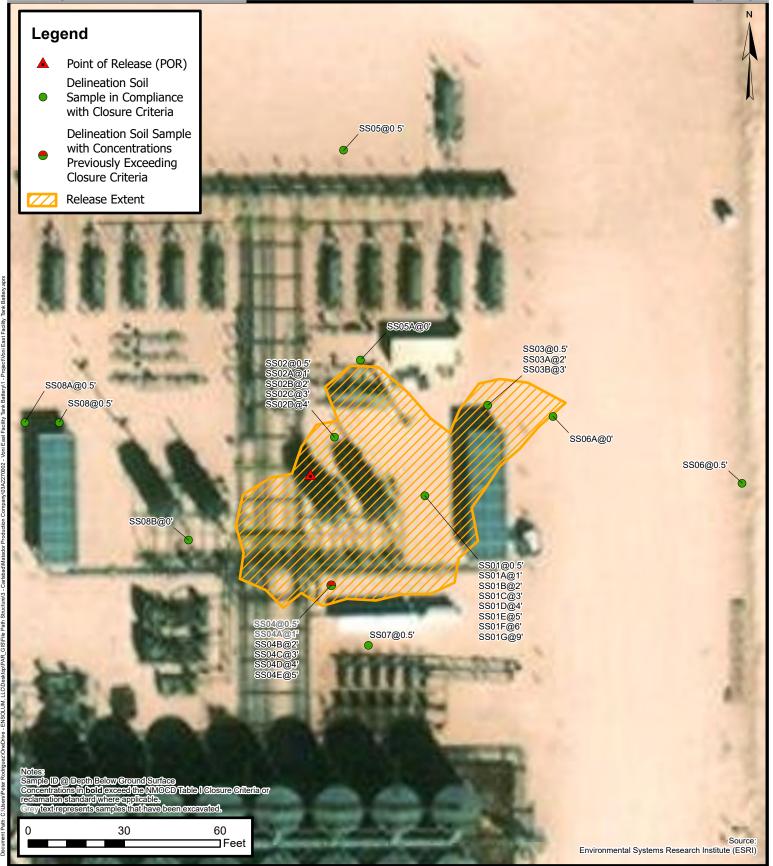
Appendix F Email Correspondence



FIGURES



Matador Production Company Voni East Facility Tank Battery Incident Number: NAPP2313247620 Unit E, Section 21, Township 26S, Range 31E Eddy County, New Mexico FIGURE

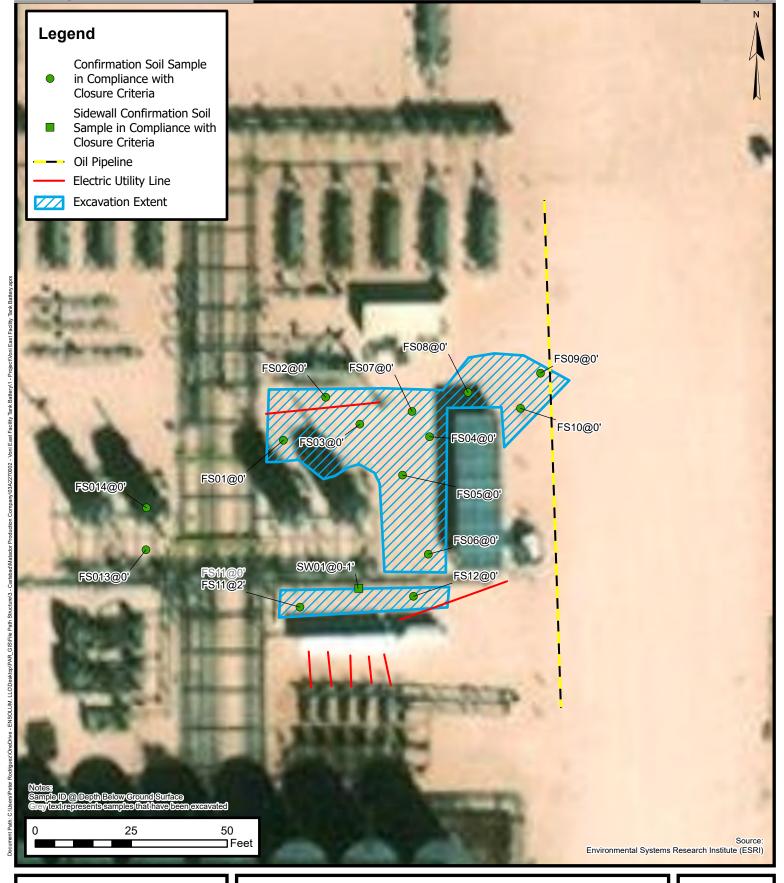




Delineation Soil Sample Locations

Matador Production Company Voni East Facility Tank Battery Incident Number: nAPP2313247620 Unit E, Section 21, Township 26S, Range 31E Eddy County, New Mexico FIGURE

2

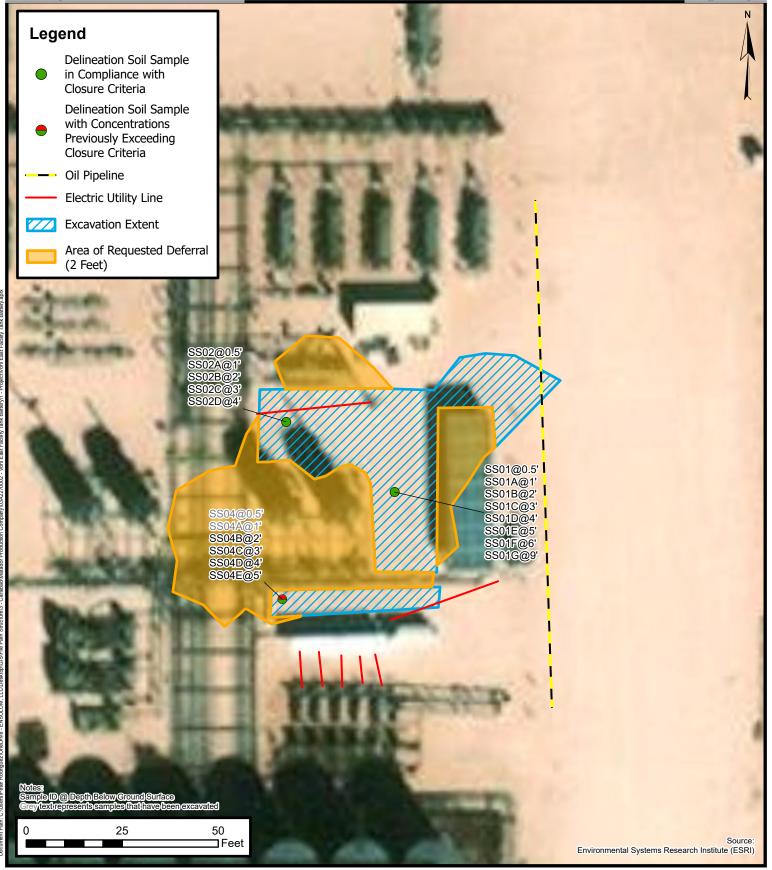




Confirmation Soil Sample Locations

Matador Production Company Voni East Facility Tank Battery Incident Number: nAPP2313247620 Unit E, Section 21, Township 26S, Range 31E Eddy County, New Mexico **FIGURE**

3





Area of Requested Deferral

Matador Production Company Voni East Facility Tank Battery Incident Number: nAPP2313247620 Unit E, Section 21, Township 26S, Range 31E Eddy County, New Mexico FIGURE

4



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Voni East Facility Tank Battery Matador Production Company Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Deli	neation Soil Sam	ples				
SS01	6/7/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	9,300
SS01A	6/7/2023	1	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	10,100
SS01B	6/7/2023	2	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,630
SS01C	7/13/2023	3	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	3,630
SS01D	7/13/2023	4	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	8,320
SS01E	7/13/2023	5	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,220
SS01F	10/31/2023	6	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	542
SS01G	10/31/2023	9	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	323
SS02	6/7/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	130	196.7	15,900
SS02A	6/7/2023	1	< 0.025	<0.025	<20.0	<25.0	<50.0	30.3	30.3	10,600
SS02B	7/13/2023	2	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	659
SS02C	7/13/2023	3	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	784
SS02D	7/13/2023	4	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	159
SS03	6/7/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	10,300
SS03A	7/13/2023	2	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	199
SS03B	7/13/2023	3	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	184
SS04	6/7/2023	0.5	0.77	20.79	125	6,270	742	6,395	7,137	11,800
SS04A	6/7/2023	4	1.66	42.79	298	8,270	800	8 ,568	9,368	2,800
SS04B	10/30/2023	2	< 0.025	0.1892	<20.0	81.5	<50.0	<25.0	81.5	2,780
SS04C	10/30/2023	3	< 0.025	0.4325	<20.0	31.5	<50.0	<25.0	<50.0	831
SS04D	10/30/2023	4	< 0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	49.1
SS04E	10/30/2023	5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<400.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

TVIVICOD. IVEW MEXICO OII GOLISCI VALION DIVISIO

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 1 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Voni East Facility Tank Battery Matador Production Company Eddy County, New Mexico

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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
				Deli	neation Soil Sam	ples				
SS05	6/7/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	128
SS05A	05/20/204	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	221
SS06	6/7/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	44.5
SS06A	05/20/204	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	6/7/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	335
SS08	6/7/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	761
SS08A	7/13/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	197
SS08B	05/20/204	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	403

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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



TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

Voni East Facility Tank Battery Matador Production Company Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
	Excavation Floor Soil Samples									
FS01	10/30/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	10,500
FS02	10/30/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	9,040
FS03	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	5,780
FS04	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	6,670
FS05	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	9,570
FS06	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	6,800
FS07	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	3,300
FS08	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	3,830
FS09	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<400.00
FS10	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<400.0
FS11	10/31/2023	0	<0.025	3.8560	132	2,050	201	2,182	2,383	4,980
FS11	11/13/2023	2	< 0.025	1.5617	48.5	662	75.6	710.5	786.1	2,380
FS12	10/31/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	2,920
FS13	5/20/2024	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	5,290
FS14	5/20/2024	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	3,120
				Excavati	on Sidewall Soil	Samples				
SW01	10/31/2023	0-1	<0.0250	4.734	21.2	683	88.8	704.2	793	3,900

Notes:

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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



APPENDIX A

Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2313247620
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party Matad	lor Production Con	npany	OGRID 22	RID 228937		
Contact Name Clint Talley					Contact Telephone (337) 319-8398		
Contact ema	il clinton.tal	ley@matadorresou	irces.com	Incident #	(assigned by OCD) nAPP2313247620		
Contact mail Texas 75240		5400 Lyndon B Jo	hnson Fwy, Dalla	s,			
			Location	of Release So	ource		
Latitude <u>32.03</u>	343		(NAD 83 in dec	Longitude <u>-</u> cimal degrees to 5 decin			
Site Name Vo	oni East Fac	ility Tank Battery		Site Type (Dil Well		
Date Release	Discovered	05/12/2023		API# (if app	licable)		
Unit Letter	Section	Township Range			ity		
Е				Edd	Eddy		
	Materia	l(s) Released (Select al		l Volume of l	Release justification for the volumes provided below)		
Crude Oi	I	Volume Release	d (bbls)		Volume Recovered (bbls)		
Produced	Water	Volume Release	d (bbls) 46 bbls		Volume Recovered (bbls) 0 bbls		
Is the concentration of dissolved chloric produced water >10,000 mg/l?				hloride in the	☐ Yes ⊠ No		
Condensate Volume Released (bbls)			d (bbls)		Volume Recovered (bbls)		
Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units			Released (provide	e units)	Volume/Weight Recovered (provide units)		
resulted in th	e release of	approximately 46	bbls of produced v	water onto the calic			
B	$BBL \ Estimate = \left(Saturated \ Soil \ Volume \ (ft^3) \ / 4.21 \left(\frac{ft^3}{bbl} equivalent\right)\right) x \ Estimated \ Soil \ Porosity \ (\%)$ $+ Recovered \ Fluids \ (bbl)$						

 $((3853.4 \times 0.333) / 4.21)) \times 0.15 = 45.7 \text{ bbls}$

Received by OCD: 11/22/2024 8:53:43 AM State of New Mexico
Page 2 Oil Conservation Division

|--|

Incident ID	nAPP2313247620
District RP	
Facility ID	
Application ID	

W/as this a main	If VEC for what we consider the manner	-ihl
Was this a major release as defined by	If YES, for what reason(s) does the respor Volume exceeded 25 bbls.	isible party consider this a major release?
19.15.29.7(A) NMAC?	Volume exceeded 25 bois.	
, , , , , , , , , , , , , , , , , , , ,		
⊠ Yes □ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	ven to NMOCD on 05/12/2023 via website.	(Factor)
	Initial Re	esponse
The responsible	narty must undertake the following actions immediately	y unless they could create a safety hazard that would result in injury
The responsible	party must undertake the following delions immediately	vaniess mey could credie a sajety nazara mai would result in injury
☐ The source of the rele	ease has been stopped.	
	s been secured to protect human health and	the environment
	•	ikes, absorbent pads, or other containment devices.
		•
_	ecoverable materials have been removed and	
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
Day 10 15 20 9 D (4) NIM	(AC the many cities and cities an	
		emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred
- 1		lease attach all information needed for closure evaluation.
Lhereby certify that the info	rmation given above is true and complete to the	pest of my knowledge and understand that pursuant to OCD rules and
		ications and perform corrective actions for releases which may endanger
		CD does not relieve the operator of liability should their operations have
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.	Tue 141 report does not reneve the operator of	responsionity for compliance with any other rederat, state, or local laws
D. a. d. A. Marris, Cl. a. T. H.		T'A. FHG C
Printed Name: Clint Talle		Title: EHS Supervisor
Signature: Clint	Talley	Date: <u>05/12/2023</u>
	U	
email: Clinton.talley@ma	ntadorresources.com	Telephone: <u>337-319-8398</u>
OCD Only		
Received by:Jocely	yn Harimon	Date: 05/15/2023
iteserved by:		

	Page 18 of 1	71
Incident ID	nAPP2313247620	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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?	<u>>101</u> (ft bgs)				
Did this release impact groundwater or surface water?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No				
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No				
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No				
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No				
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No				
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No				
Are the lateral extents of the release within a 100-year floodplain? ☐ Yes ☑					
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil				
Characterization Report Checklist: Each of the following items must be included in the report.					
 \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well \infty Field data 	ls.				
Data table of soil contaminant concentration data					
Depth to water determination					
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release					
 ☑ Boring or excavation logs ☑ Photographs including date and GIS information 					
☐ Photographs including date and GIS information ☐ Topographic/Aerial maps					
 ✓ Topographic/Aerial maps ✓ Laboratory data including chain of custody 					

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 11/22/2024 8:53:43 AM State of New Mexico
Page 4 Oil Conservation Division

Page 19eof 1/1

Incident ID	nAPP2313247620
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Clint Talley	Title: EHS Supervisor
Signature:	Date:
email: Clinton.talley@matadorresources.com	Telephone: 337-319-8398
OCD Only	
Received by:	Date:

	Page 20 of 17	71
Incident ID	nAPP2313247620	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.											
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 											
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.										
○ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.											
Extents of contamination must be fully delineated.											
Contamination does not cause an imminent risk to human health, the environment, or groundwater.											
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.											
Printed Name: Clint Talley	Title: EHS Supervisor										
Signature:	Date: <u>11/30/2023</u>										
email: Clinton.talley@matadorresources.com	Telephone: <u>337-319-8398</u>										
OCD Only											
· · · · · · · · · · · · · · · · · · ·											
Received by:	Date:										
Approved Approved with Attached Conditions of A	Approval										
Signature:	Date:										



APPENDIX B

Well Log and Record



2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax; 575.624.2421 www.atkinseng.com

September 13, 2023

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4769Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4769 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Groon Middle

USE ON SEP 14 2023 PM2:40



NO	OSE POD NO. POD 1 (TV		.)	WELL TAG ID NO. N/A		OSE FILE NO(C-4769	S).					
OCATI	WELL OWNE Matador Pr				PHONE (OPTIONAL)							
GENERAL AND WELL LOCATION	WELL OWNE 5400 Lyndo		ADDRESS ASON Fwy Suite 150	0		CITY Dallas		STATE TX	75240	ZIP		
L AND V	WELL LOCATIO	N LA	DE	EGREES MINUTES SECON 32 2 1	* ACCURACY REQUIRED: ONE TENTH OF A SECOND							
VERA	(FROM GP	S)	NGITUDE	103 46 46	5.92 W	* DATUM REQUIRED: WGS 84						
1. GE			NG WELL LOCATION TO T26S R31E, NMPN	O STREET ADDRESS AND COMMON LAND! M	MARKS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	AILABLE			
	LICENSE NO 124		NAME OF LICENSED	DRILLER Jackie D. Atkins			NAME OF WELL DRI Atkins Eng		OMPANY Associates, In	nc.		
	DRILLING ST 09/08/2		DRILLING ENDED 09/08/2023	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		LE DEPTH (FT) ±101	DEPTH WATER FIRS	T ENCO N/A				
Z	COMPLETED	WELL IS:	ARTESIAN		WATER LEVEL PLETED WELL N/	'A	DATE STATIC 1 9/13/2					
ATIO	DRILLING FL		AIR	MUD ADDITIVES – SP.			CHECK	UPDEIE	DITI DOG ADAR	TER IC		
ORM			ROTARY HAMI	MER CABLE TOOL OTHER - SPI	Hollow Stem	Auger CHECK INSTAL	LED	PITLESS ADAF	TEKIS			
DRILLING & CASING INFORMATION	FROM	(feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	ASING NECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALI THICKNESS (inches)		SLOT SIZE (inches)			
& CA	0 101 ±6.25		Soil Boring	ling diameter)	- 1		-					
ING												
RILI												
2. 1	1											
							095.00.586	1420	/23 pm/2/40			
					-							
	DEPTH ((feet bgl)	BORE HOLE	LIST ANNULAR SEAL M	ATERIAL A	AND	AMOUNT		метно	O OF		
MAL	FROM TO DIAM. (inches)			GRAVEL PACK SIZE-RANG	ERVAL	(cubic feet)		PLACEMENT				
3. ANNULAR MATERIAL				N/A		-						
AR M												
INUL												
3. AN												
				If any and a second								
	OSE INTER	NAL USE		POD NO.		WR-2	0 WELL RECORD & NO.	& LOG (Version 01/28	3/2022)		
LOC	CATION					WELL TAG I	D NO.		PAGE	1 OF 2		

1	DEPTH (feet bgl)		COLOR AN	D TYPE OF MATERIAL E	NCOLINA	TEDED -		W.A.T	DED.	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATE	R-BEARING CAVITIES Of plemental sheets to fully do	R FRACT	TURE ZONES		WAT BEAR (YES	ING?	YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	Sand, fine-grai	ned, poorly graded, unconsc	lidated, d	lark brown		Y	✓ N	
- 3	4	20		Y	✓ N						
9	20	65	45	Sand, fine	-grained, poorly graded, unc	onsolidate	ed, tan		Y	✓ N	
	65	80	15	Gravel, (0.5"),	sub rounded, with fine-grain	ed sand, l	ight brown		Y	✓ N	
	80 90 10 Sand, fine-grained, with gravel (0.25") sub-rounded, light brown										
Г	90 101 11 Sand, fine-grained, poorly graded, unconsolidated, dark brown										
4. HYDROGEOLOGIC LOG OF WELL									Y	N	
OF			Y	N							
90	30										
CL									Y	N	
DO'	3									N	
EOI			1				_		Y	N	
20G									Y	N	
<u> </u>									Y	N	
4. H									Y	N	
									Y	N	
									Y	N	
	7						9.5	H	Y	N	
							1 30	Lw/L	Y	+ ANA	FILZ, CALL
								-	Y	N	
									Y	N	
	METHOD L	ISED TO E	STIMATE YIELD	OF WATER-BEARING	G STRATA:			TOTAL	ESTIM	IATED	
	PUM				HER - SPECIFY:			WELL	YIELD	(gpm):	0.00
NC	WELL TES	T TEST	RESULTS - ATT	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING IOWING DISCHARGE AN	WELL TI D DRAW	ESTING, INC DOWN OVE	LUDING R THE T	DISCI	HARGE I	METHOD, DD.
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	FORMATION: Te	emporary well materia low ground surface(b	ol removed and soil boring gs), then hydrated benton	g backfil ite chips	led using dri	ll cutting to surfa	gs fron ce.	n total de	epth to ten feet
EST	PRINT NAN	Æ(S) OF Γ	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION OF	WELL CONS	TRUCT	ION O	THER TH	IAN LICENSEE:
5. T	Shane Eldri			(VIDON(S) TIME THE	, ibbb onding out and						
6. SIGNATURE	CORRECT I	RECORD C ERMIT HO	OF THE ABOVE I	ESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WIL PLETION OF WELL DRILL	L FILE T					
6. SIGN	Jack &	Itkins		Jac	ckie D. Atkins		-		09/13	3/2023	
		SIGNA	TURE OF DRILLE	R / PRINT SIGNEE	NAME					DATE	
FOF	R OSE INTER	NAL USE				- 5	WR-20 WEL	L RECO	RD & 1	LOG (Ve	rsion 01/28/2022
	E NO.	000			POD NO.		TRN NO.			- 4	
LO	CATION					WELL ?	TAG ID NO.				PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State E	NERAL / WELL OWNER ngineer Well Number: C-4	769- POD-1							
Well or	wner: Matador Production	Company	ito 1500		_	No.: 337	-319-8398		
Mailing City: [g address: 5400 Lyndon B . Dallas	Johnson Fwy Sui		,	Te	exas		_ Zip code	75240
	ELL PLUGGING INFOR	MATION:							
1)	Name of well drilling con	npany that plugg	ed well:	Jackie D. A	Atkins (/	Atkins En	gineering	Associates	Inc.)
2)	New Mexico Well Driller	License No.: 1	249				_ Expira	tion Date:	04/30/25
3)	Well plugging activities v Cameron Pruitt	vere supervised b	y the foll	owing well	l driller((s)/rig sup	ervisor(s)):	
4)	Date well plugging began	09/12/2023		Date	well plu	igging co	ncluded: _	09/12/202	23
5)	GPS Well Location:	Latitude: Longitude:	32 103	deg, deg,	2 46	min, min,	1.66 46.92	_ sec _ sec, WGS	8 84
6)	Depth of well confirmed a by the following manner:	at initiation of pl water level prob	ugging as e	:101	ft be	low groun	nd level (t	ogl),	
7)	Static water level measure	ed at initiation of	fplugging	:n/a_	ft bg	·l			
8)	Date well plugging plan o	f operations was	approved	l by the Sta	ate Engi	neer: _09	9/01/2023	=	
9)	Were all plugging activiti- differences between the ap	es consistent wit pproved pluggin	h an appro g plan and	oved plugg I the well a	ging plar is it was	n? plugged	(attach ad	lditional pag	ges as needed):
							096	on sep la	1 (2023 pmZ;40)

Version: September 8, 2009

Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
=	10'-101' Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	
	Jiiii Guttings	, pprox. The gallone	The gallette	30g	
_					
=					
-					
=					
-	*,				
7		cubic feet x 7.4	3Y AND OBTAIN 1805 = gallons 37 = gallons	OSE ON S	EP 14 2023 px2;40
		cubic yards x 201.9	97 = gallons		

III. SIGNATURE:

I, Jackie D. Atkins	say tl	hat I	am	familiar	with	the	rules of	the	Office	of the	State
Engineer pertaining to the plugging of wells and that ea are true to the best of my knowledge and belief.	ch and	l all o	f the	stateme	nts in	this	Pluggin	g Red	ord and	attach	ments
Jack Atki	ia								9/13	/2023	

Signature of Well Driller

Version: September 8, 2009

Date

Page 2 of 2

WR-20 Well Record and Log-packet-forsign

Final Audit Report 2023-09-13

Created: 2023-09-13

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAA914YOThcZ6aUF6b7ZuFDIABkPmUK-QM_

"WR-20 Well Record and Log-packet-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com) 2023-09-13 - 8:05:20 PM GMT- IP address: 24.40.85.191

Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2023-09-13 - 8:05:56 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com) 2023-09-13 - 8:49:20 PM GMT- IP address: 64.90.153,232

Document e-signed by Jack Atkins (jack@atkinseng.com)

Signature Date: 2023-09-13 - 8:52:34 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed. 2023-09-13 - 8:52:34 PM GMT

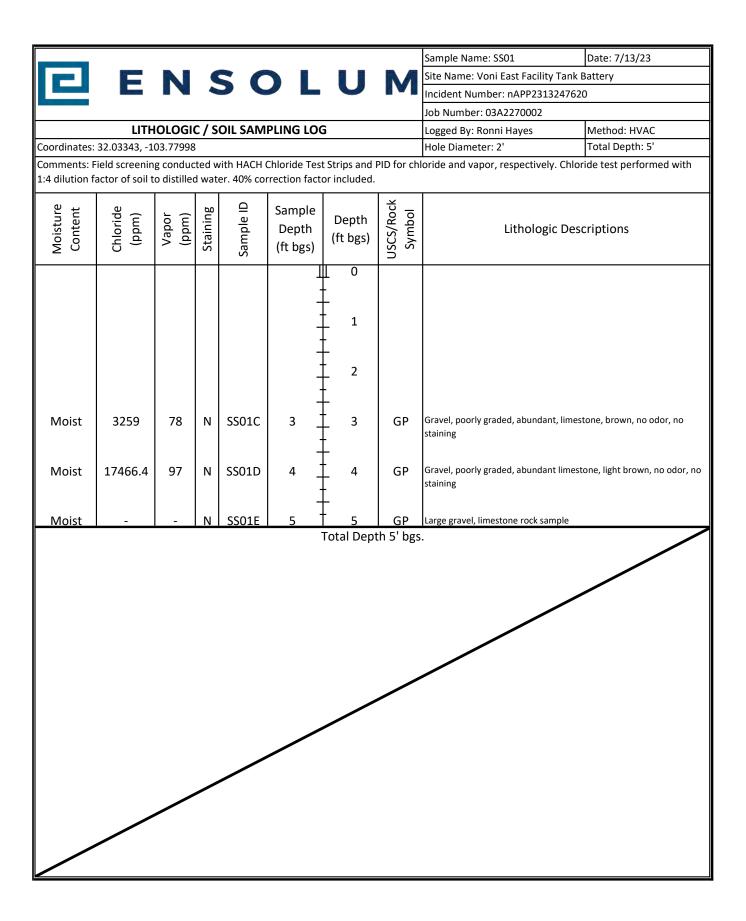
USE DIT SEP 14 2023 PM2:40

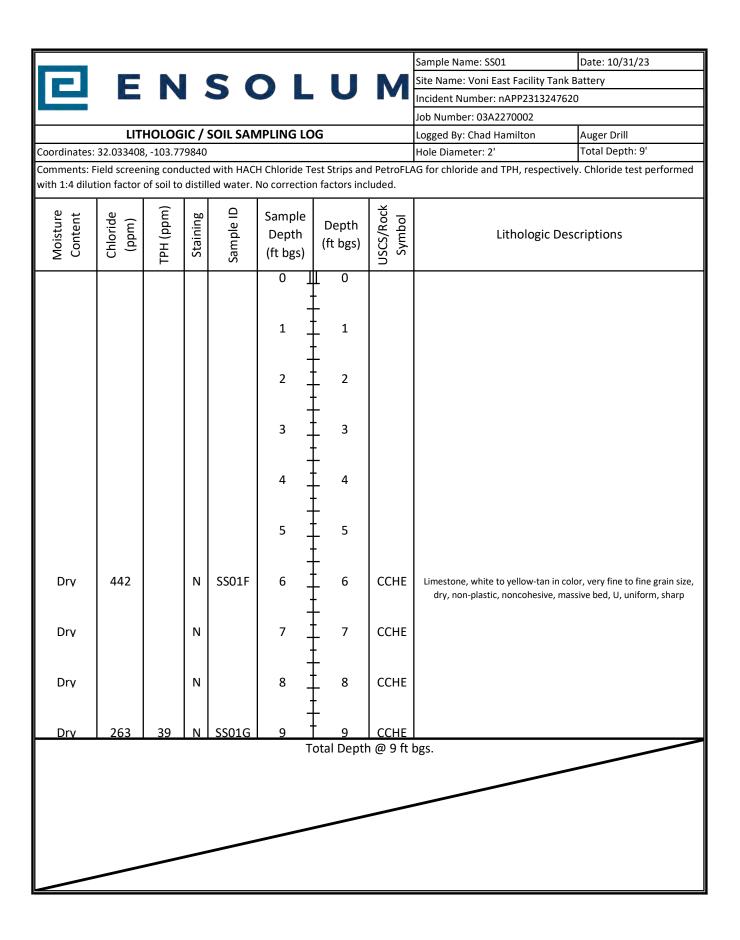


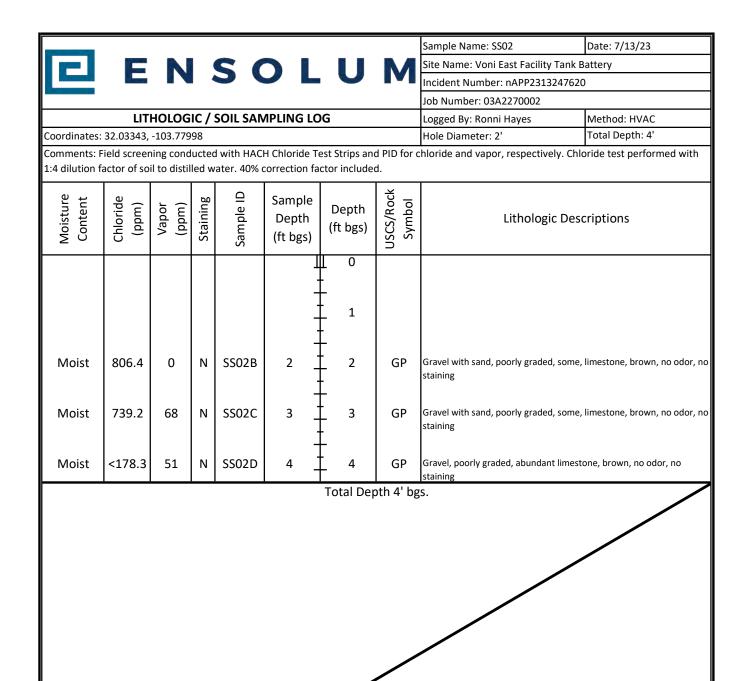


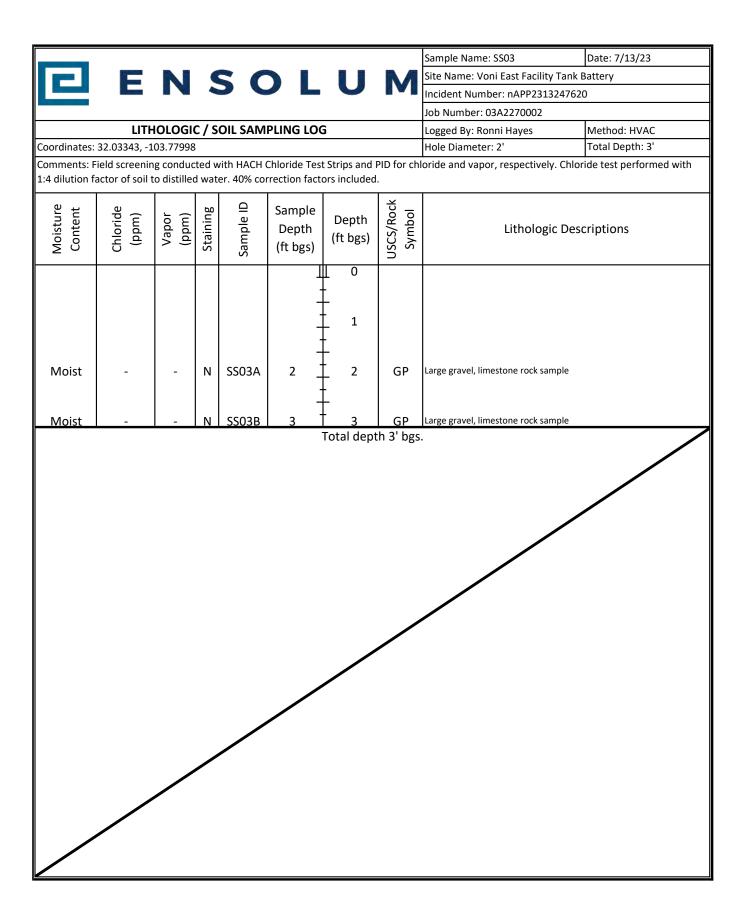
APPENDIX C

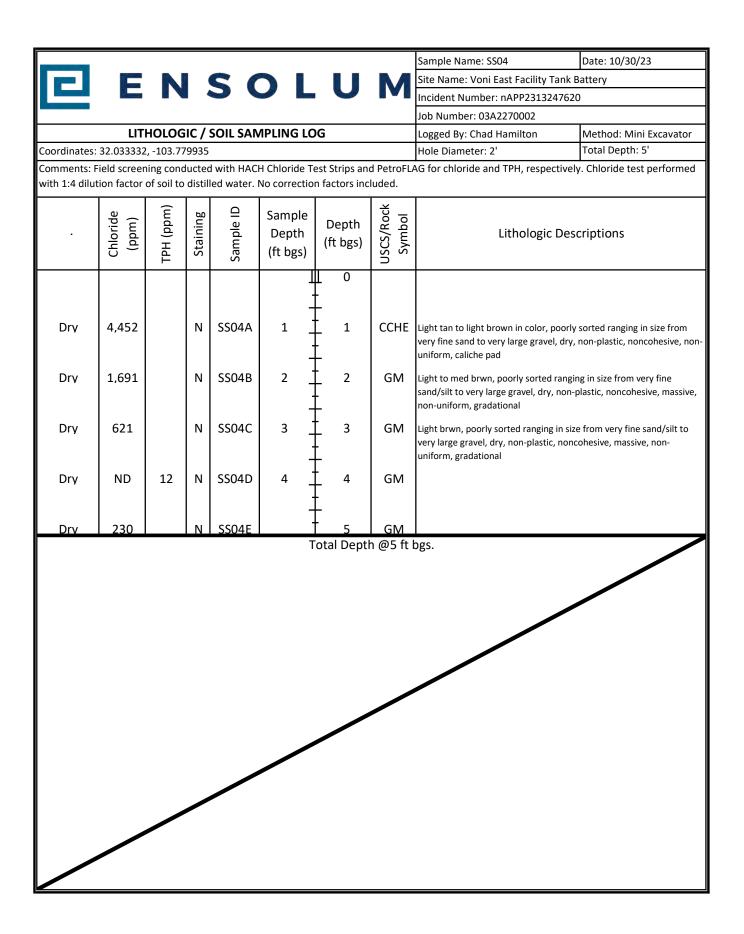
Lithologic Soil Sampling Logs













APPENDIX D

Photographic Log

ENSOLUM

Photographic Log

Matador Production Company Voni East Facility Tank Battery Incident # nAPP2313247620



Photograph 1 Date:5-12-2023

Description: Point of Release

View: Southwest



Photograph 2 Date:5-12-2023

Description: Point of Release on pad

View: Southwest



Latitude: 32.033365
Longitude: -1032.79898
Elevation: 1032.79898
Elevation: 1032.99116 ft
Accuracy: 15.1 ft
Azimuth: 292.8° (NW)
Pitch: -26.7° (8.4")
Time: 06-07-2023 11:14:01

Photograph 3 Date:6-7-2023 Photograph 4 Date: 6-7-2023

Description: Marked lines within spill release Description: Delineation activities

View: West View: Northwest

ENSOLUM

Photographic Log

Matador Production Company Voni East Facility Tank Battery Incident # nAPP2313247620

N (T) • 32.033422, -103.779925 ±5 m ▲





Description: Vertical Delineation

View: Southwest

Description: Vertical Delineation

View: North



Photograph 7 Date:7-13-2023 Photograph 8

Description: Vertical Delineation Description: Vertical Delineation View: West View: East



Page 2 of 5

ENSOLUM

Photographic Log

Matador Production Company Voni East Facility Tank Battery Incident # nAPP2313247620





Photograph 9 Date:10-30-2023 Photograph 10 Date:10-31-2023

Description: Vertical Delineation Description: Vertical Delineation

View: East View: West





Photograph 11 Date:10-31-2023 Photograph 12 Date:10-31-2023

Description: Excavation

View: West

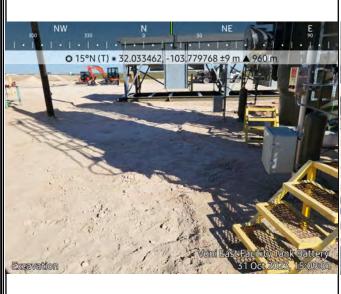
Description: Excavation

View: South

ENSOLUM

Photographic Log

Matador Production Company Voni East Facility Tank Battery Incident # nAPP2313247620





Photograph 13 Description: Excavation

Date:10-30-2023

Photograph 14

Date:10-31-2023

Description: Excavation

View: North

View: South





Photograph 15 Description: Excavation Date:10-31-2023

Photograph 16

Date:11-13-2023

View: North

Description: Excavation

View: East

ENSOLUM

Photographic Log

Matador Production Company Voni East Facility Tank Battery Incident # nAPP2313247620





Photograph 17 Date:11-13-2023 Photograph 18 Date:05-20-2024

Description: Excavation Description: Sampling
View: Northeast View: South

S 180 210 SW 240 W 300 NW 330

© 244*SW (T) • 32.033508, -103.779728 ±3m 950m

Vont East TB

20 May 2024, 11:16:18 AM



Photograph 19 Date:05-20-2024 Photograph 20 Date:05-20-2024

Description: Sampling

View: Southwest

Description: Sampling

View: Northeast



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Voni East Facility Tank Battery

Work Order: E306079

Job Number: 23052-0001

Received: 6/9/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/16/23

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: 6/16/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Voni East Facility Tank Battery

Workorder: E306079

Date Received: 6/9/2023 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2023 6:00:00AM, under the Project Name: Voni East Facility Tank Battery.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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SS03 - 0.5'	10
SS04 - 0.5'	11
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Sample Summary

ſ	Matador Production Company	Project Name:	Voni East Facility Tank Battery	Reported:
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/16/23 09:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0.5'	E306079-01A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS01A - 1'	E306079-02A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS01B - 2'	E306079-03A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS02 - 0.5'	E306079-04A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS02A - 1'	E306079-05A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS03 - 0.5'	E306079-06A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS04 - 0.5'	E306079-07A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS04 - 1'	E306079-08A	Soil	06/07/23	06/09/23	Glass Jar, 2 oz.

Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS01 - 0.5' E306079-01

E500075-01							
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL	<u>-</u>	Batch: 2323073	
Benzene	ND	0.0250	1	06/08/23	06/12/23		
Ethylbenzene	ND	0.0250	1	06/08/23	06/12/23		
Toluene	ND	0.0250	1	06/08/23	06/12/23		
o-Xylene	ND	0.0250	1	06/08/23	06/12/23		
p,m-Xylene	ND	0.0500	1	06/08/23	06/12/23		
Total Xylenes	ND	0.0250	1	06/08/23	06/12/23		
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	06/08/23	06/12/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2323073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/12/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	06/08/23	06/12/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2324001	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/23	06/12/23		
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/23	06/12/23		
Surrogate: n-Nonane		58.9 %	50-200	06/12/23	06/12/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2324008	
Chloride	9300	400	20	06/12/23	06/14/23		



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS01A - 1' E306079-02

		E3000/9-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2323073
Benzene	ND	0.0250	1	06/08/23	06/12/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/12/23	
Toluene	ND	0.0250	1	06/08/23	06/12/23	
o-Xylene	ND	0.0250	1	06/08/23	06/12/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/12/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/12/23	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2323073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2324001
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/23	06/12/23	
Surrogate: n-Nonane		63.2 %	50-200	06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2324008
Chloride	10100	400	20	06/12/23	06/14/23	



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS01B - 2' E306079-03

		E3000/9-03				
Austra	Result	Reporting Limit	Dilution	D	A lama d	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2323073
Benzene	ND	0.0250	1	06/08/23	06/12/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/12/23	
Toluene	ND	0.0250	1	06/08/23	06/12/23	
o-Xylene	ND	0.0250	1	06/08/23	06/12/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/12/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/12/23	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2323073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2324001
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/23	06/12/23	
Surrogate: n-Nonane		66.5 %	50-200	06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2324008
Chloride	1630	40.0	2	06/12/23	06/14/23	



Sample Data

Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS02 - 0.5'

E306079-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2323073
Benzene	ND	0.0250	1	06/08/23	06/12/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/12/23	
Toluene	ND	0.0250	1	06/08/23	06/12/23	
o-Xylene	ND	0.0250	1	06/08/23	06/12/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/12/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/12/23	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2323073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2324001
Diesel Range Organics (C10-C28)	130	25.0	1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	66.7	50.0	1	06/12/23	06/12/23	
Surrogate: n-Nonane		67.7 %	50-200	06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2324008
Chloride	15900	400	20	06/12/23	06/14/23	



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS02A - 1'

		E306079-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2323073
Benzene	ND	0.0250	1	06/08/23	06/12/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/12/23	
Toluene	ND	0.0250	1	06/08/23	06/12/23	
o-Xylene	ND	0.0250	1	06/08/23	06/12/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/12/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/12/23	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2323073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2324001
Diesel Range Organics (C10-C28)	30.3	25.0	1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/23	06/12/23	
Surrogate: n-Nonane		62.2 %	50-200	06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2324008
Chloride	10600	400	20	06/12/23	06/14/23	



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS03 - 0.5' E306079-06

		E3000/9-00				
	D. Iv	Reporting		ъ .		N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2323073
Benzene	ND	0.0250	1	06/08/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/13/23	
Toluene	ND	0.0250	1	06/08/23	06/13/23	
o-Xylene	ND	0.0250	1	06/08/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/13/23	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	06/08/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2323073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	06/08/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2324001
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/23	06/12/23	
Surrogate: n-Nonane		61.8 %	50-200	06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2324008
Chloride	10300	400	20	06/12/23	06/14/23	



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS04 - 0.5'

E306079-07								
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2323073		
Benzene	ND	0.0250	1	06/08/23	06/13/23			
Ethylbenzene	0.772	0.0250	1	06/08/23	06/13/23			
Toluene	1.72	0.0250	1	06/08/23	06/13/23			
o-Xylene	3.62	0.0250	1	06/08/23	06/13/23			
p,m-Xylene	14.7	0.0500	1	06/08/23	06/13/23			
Total Xylenes	18.3	0.0250	1	06/08/23	06/13/23			
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	06/08/23	06/13/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2323073		
Gasoline Range Organics (C6-C10)	125	20.0	1	06/08/23	06/13/23			
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	06/08/23	06/13/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2324001		
Diesel Range Organics (C10-C28)	6270	25.0	1	06/12/23	06/13/23			
Oil Range Organics (C28-C36)	742	50.0	1	06/12/23	06/13/23			
Surrogate: n-Nonane		109 %	50-200	06/12/23	06/13/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2324008		
Chloride	11800	400	20	06/12/23	06/14/23			



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

SS04 - 1'

E306079-08

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2323073
ND	0.0250	1	06/08/23	06/13/23	
1.66	0.0250	1	06/08/23	06/13/23	
1.93	0.0250	1	06/08/23	06/13/23	
8.60	0.0250	1	06/08/23	06/13/23	
30.6	0.0500	1	06/08/23	06/13/23	
39.2	0.0250	1	06/08/23	06/13/23	
	105 %	70-130	06/08/23	06/13/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2323073
298	20.0	1	06/08/23	06/13/23	
	131 %	70-130	06/08/23	06/13/23	S5
mg/kg	mg/kg	Anal	yst: KM		Batch: 2324001
8270	25.0	1	06/12/23	06/13/23	
800	50.0	1	06/12/23	06/13/23	
	299 %	50-200	06/12/23	06/13/23	S5
mg/kg	mg/kg	Anal	yst: BA		Batch: 2324008
0 0					
	mg/kg ND 1.66 1.93 8.60 30.6 39.2 mg/kg 298 mg/kg 8270 800	mg/kg mg/kg ND 0.0250 1.66 0.0250 1.93 0.0250 8.60 0.0500 39.2 0.0250 I05 % mg/kg mg/kg 298 20.0 131 % mg/kg mg/kg mg/kg 8270 25.0 800 50.0	Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 1.66 0.0250 1 1.93 0.0250 1 8.60 0.0250 1 30.6 0.0500 1 39.2 0.0250 1 105 % 70-130 mg/kg mg/kg Anal 298 20.0 1 131 % 70-130 mg/kg mg/kg Anal 8270 25.0 1 800 50.0 1 299 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 06/08/23 1.66 0.0250 1 06/08/23 1.93 0.0250 1 06/08/23 8.60 0.0250 1 06/08/23 30.6 0.0500 1 06/08/23 39.2 0.0250 1 06/08/23 mg/kg mg/kg Analyst: SL 298 20.0 1 06/08/23 mg/kg mg/kg Analyst: KM 8270 25.0 1 06/12/23 800 50.0 1 06/12/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 06/08/23 06/13/23 1.66 0.0250 1 06/08/23 06/13/23 1.93 0.0250 1 06/08/23 06/13/23 8.60 0.0250 1 06/08/23 06/13/23 30.6 0.0500 1 06/08/23 06/13/23 39.2 0.0250 1 06/08/23 06/13/23 mg/kg mg/kg Analyst: SL 298 20.0 1 06/08/23 06/13/23 mg/kg mg/kg Analyst: SL 06/08/23 06/13/23 mg/kg mg/kg Analyst: KM 06/13/23 8270 25.0 1 06/12/23 06/13/23 800 50.0 1 06/12/23 06/13/23 299 % 50-200 06/12/23 06/13/23



Voni East Facility Tank Battery Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/16/2023 9:40:55AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2323073-BLK1) Prepared: 06/08/23 Analyzed: 06/12/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.99 8.00 87.4 70-130 LCS (2323073-BS1) Prepared: 06/08/23 Analyzed: 06/12/23 4.58 91.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.57 0.0250 5.00 91.3 70-130 4.71 0.0250 5.00 94.2 70-130 Toluene 93.9 o-Xylene 4.70 0.0250 5.00 70-130 9.25 10.0 92.5 70-130 0.0500 p.m-Xvlene 93.0 13.9 15.0 70-130 Total Xylenes 0.0250 8.00 93.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.45 Matrix Spike (2323073-MS1) Source: E306079-01 Prepared: 06/08/23 Analyzed: 06/12/23 4.68 0.0250 5.00 ND 93.5 54-133 Benzene 92.7 61-133 Ethylbenzene 4.63 0.0250 5.00 ND Toluene 4.78 0.0250 5.00 ND 95.7 61-130 4.75 ND 95.1 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.43 0.0500 10.0 ND 94.3 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.41 8.00 Matrix Spike Dup (2323073-MSD1) Source: E306079-01 Prepared: 06/08/23 Analyzed: 06/12/23 4.99 0.0250 5.00 ND 99.7 54-133 6.42 20 61-133 4.95 0.0250 5.00 ND 99.1 6.67 20 Ethylbenzene 61-130 Toluene 5.10 0.0250 5.00 ND 102 6.42 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

101

101

101

93.8

63-131

63-131

63-131

70-130

6.49

6.65

6.60

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

5.07

10.1

15.1

7.51

Matador Production Company	Project Name:	Voni East Facility Tank Battery	Reported:
3122 National Parks HWY	Project Number:	23052-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 9:40:55AM

Carlsbad NM, 88220		Project Manager	r: As	hley Gioveng	go			6	/16/2023 9:40:55AM		
Nonhalogenated Organics by EPA 8015D - GRO Analyst: SL											
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes		
Blank (2323073-BLK1)							Prepared: 0	6/08/23 An	alyzed: 06/12/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130					
LCS (2323073-BS2)							Prepared: 0	6/08/23 An	alyzed: 06/12/23		
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.8	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130					
Matrix Spike (2323073-MS2)				Source:	E306079-	01	Prepared: 0	6/08/23 An	alyzed: 06/12/23		
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130					
Matrix Spike Dup (2323073-MSD2)				Source:	E306079-	01	Prepared: 0	6/08/23 An	alyzed: 06/12/23		
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130	0.213	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130					

Matador Production CompanyProject Name:Voni East Facility Tank BatteryReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/16/20239:40:55AM

				0/10/2023 9.40.33AF
) - DRO/(ORO			Analyst: KM
Rec	Rec Limits	RPD	RPD Limit	
%	%	%	%	Notes
		Prepared: 0	6/12/23	Analyzed: 06/12/23
75.2	50-200			
		Prepared: 0	6/12/23	Analyzed: 06/12/23
97.9	38-132			
66.6	50-200			
E306079-04	4	Prepared: 0	6/12/23	Analyzed: 06/12/23
119	38-132			
59.4	50-200			
E306079-04	4	Prepared: 0	6/12/23	Analyzed: 06/12/23
108	38-132	6.20	20	-
108	30-132	0.20	20	
	Rec % 75.2 97.9 66.6 E306079-0 119 59.4 E306079-0	Rec Limits % 75.2 50-200 97.9 38-132 66.6 50-200 E306079-04 119 38-132 59.4 50-200 E306079-04	Rec Rec Limits RPD % % % Prepared: 0 97.9 38-132 66.6 50-200 59.200 E306079-04 Prepared: 0 97.9 119 38-132 97.9 59.4 50-200 50-200 E306079-04 Prepared: 0 97.9	Rec Limits RPD Limit % % % % Prepared: 06/12/23 75.2 50-200 Prepared: 06/12/23 97.9 38-132 66.6 50-200 Prepared: 06/12/23 119 38-132 59.4 50-200 Prepared: 06/12/23 E306079-04 Prepared: 06/12/23

Chloride

Chloride

Matrix Spike Dup (2324008-MSD1)

QC Summary Data

Matador Production Company 3122 National Parks HWY		Project Name: Project Number:	2	oni East Facili 3052-0001	•	attery			Reported:
Carlsbad NM, 88220		Project Manager	:: A	shley Gioveng	go			6	5/16/2023 9:40:55AM
		Anions	by EPA	300.0/9056 <i>A</i>	A				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2324008-BLK1)							Prepared: 0	6/12/23 An	alyzed: 06/14/23
Chloride	ND	20.0							
LCS (2324008-BS1)							Prepared: 0	6/12/23 An	alyzed: 06/14/23
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2324008-MS1)				Source:	E306078-	01	Prepared: 0	6/12/23 An	alyzed: 06/14/23

250

250

40.0

40.0

128

128

99.8

112

Source: E306078-01

80-120

80-120

7.53

Prepared: 06/12/23 Analyzed: 06/14/23

20

378

408

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Production Company	Project Name:	Voni East Facility Tank Battery	
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/16/23 09:40

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

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

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



Client: N	Matador Pr	oduction	Compar	ny	Bill To				Lab	Jse (Only				T	AT		EPA P	rogram
Project I	Voni East Manager: : : 3122 Nat	Ashley G	iovengo		Attention: Clint Talley Address: On file City, State, Zip: On file		Lab W	0# (40	79	2	b Num	ber 7-000 nd Metho		2D	3D	Stan		CWA	SDWA
City, Sta Phone: 5	te, Zip: Ca 575-988-0 giovengo@	rlsbad, N 055	M 88220		Phone: 337-319-8398 Email: clinton.talley@matadorresources.com		TPH GRO/DRO/ORO by		8021		300.0	na weth	NM		X			State UT AZ	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO	8015	BTEX by 8021	Metals 6010	Chloride		BGDOC		GDOC	'	×	Remarks	
10:10	6/7/23	S	1 jar		SS01-0.5'	1							×						
10:20	6/7/23	S	1 jar		SS01A-1'	2							1						
10:30	6/7/23	S	1 jar		SS01B-2'	3				2									1
10:40	6/7/23	S	1 jar	Jersey Var	SS02-0.5'	4				2									
10:50	6/7/23	S	1 jar		SS02A-1'	5													
11:00	6/7/23	S	1 jar		SS03-0.5'	6													
11:10	6/7/23	S	1 jar	18	SS04-0.5'	7													
11:20	6/7/23	S	1 jar		SS04-1'	8							1						
			-C																
					cc agiovengo@ensolum.com, cole.burto				lintor	.tall	ey@m	atadorr	esou	rces.	om o	n lab re	esults		
date or time	e of collection	is considere		ticity of this sample. may be grounds for l	I am aware that tampering with or intentionally mislablegal action. Sampled by: Dmitry Nikano		location,					iring thermal at an avg ten	np above	0 but le	ess than (6 °C on subs		hey are sampl ys.	ed or received
	ed by: (Signa	an	Date (c	18/23 Time	030 Received by: (Signarare) Willed Charole	Date 6-8-6		ne 103	30	Re	ceive	on ice:	MD002 02000 050 52	ab U	se On I	ly			
Auc	ed by: (Signa	Cour	S Date	2823 L	715 MAIN MESO	G- B	-23	18	30	T1	-		T2			<u>T3</u>			
Relinquish	ed by: (Signa	eture)	Date	-9-23 C	Received by: (Signature)	1019/2	33 /	0:0	00	AV	/G Ten	np °C	4						
				Aqueous, O - Other_		Containe				poly/	plastic	, ag - amb							
					unless other arrangements are made. Hazardo								ent ex	pense	. The r	eport for	the ana	lysis of the	above
samples is	applicable c	only to thos	e samples i	received by the lab	poratory with this COC. The liability of the laborat	ory is limited to	the amo	ount p	oaid for	on th	e repor	t.							

Printed: 6/9/2023 9:44:37AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/09/23	06:00	Work Order I	ID:	E306079
Phone:	(575) 988-0055	Date Logged In:	06/08/23	16:42	Logged In By	y:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/15/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Con	<u>urier</u>		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes	_	<u>Com</u> n	nent	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
• 1	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample C		<u>-</u>	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	•	ners conceicu:	103				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	ormation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborato	orv?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: 1	na		
	nstruction						
Chent II	isu ucuon						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Voni East Facility Tank Battery

Work Order: E306078

Job Number: 23052-0001

Received: 6/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/15/23

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: 6/15/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Voni East Facility Tank Battery

Workorder: E306078

Date Received: 6/9/2023 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2023 6:00:00AM, under the Project Name: Voni East Facility Tank Battery.

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

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

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

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

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company	Project Name:	Voni East Facility Tank Battery	Donoutoda
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/15/23 13:23

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS05 - 0.5'	E306078-01A Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS06 - 0.5'	E306078-02A Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS07 - 0.5'	E306078-03A Soil	06/07/23	06/09/23	Glass Jar, 2 oz.
SS08 - 0.5'	E306078-04A Soil	06/07/23	06/09/23	Glass Jar, 2 oz.



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/15/2023 1:23:28PM

SS05 - 0.5' E306078-01

		E000070 01					
	D. I	Reporting		ı.	D 1		N
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2323061
Benzene	ND	0.0250		1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250		1	06/08/23	06/09/23	
Toluene	ND	0.0250		1	06/08/23	06/09/23	
o-Xylene	ND	0.0250		1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500		1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250		1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		92.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		92.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2324001
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/23	06/12/23	
Surrogate: n-Nonane		64.0 %	50-200		06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: BA		Batch: 2324008
Chloride	128	40.0		2	06/12/23	06/14/23	



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/15/2023 1:23:28PM

SS06 - 0.5' E306078-02

		E500070-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		97.7 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		92.5 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		97.7 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		92.5 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2324001
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/23	06/12/23	
Surrogate: n-Nonane		66.7 %	50-200	06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2324008
Chloride	44.5	40.0	2	06/12/23	06/14/23	



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/15/2023 1:23:28PM

SS07 - 0.5' E306078-03

		E3000/8-03					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2323061
Benzene	ND	0.0250	1	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		92.0 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		92.0 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2324001
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/12/23	06/12/23	
Surrogate: n-Nonane		62.5 %	50-200		06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2324008
Chloride	335	20.0	1	1	06/12/23	06/14/23	



Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/15/2023 1:23:28PM

SS08 - 0.5'

		E306078-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2323061
Benzene	ND	0.0250		1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250		1	06/08/23	06/09/23	
Toluene	ND	0.0250		1	06/08/23	06/09/23	
o-Xylene	ND	0.0250		1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500		1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	:	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		98.2 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		92.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		98.2 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		92.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2324001
Diesel Range Organics (C10-C28)	ND	25.0		1	06/12/23	06/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/12/23	06/12/23	
Surrogate: n-Nonane		68.2 %	50-200		06/12/23	06/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2324008
Chloride	76.1	40.0		2	06/12/23	06/14/23	·



Matador Production CompanyProject Name:Voni East Facility Tank BatteryReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/15/20231:23:28PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go			6/1	5/2023 1:23:28PN
	Volatile Organic Compounds by EPA 8260B						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 (2323061-BLK1)							Prepared: 0	6/08/23 Anal	yzed: 06/10/23
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	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
LCS (2323061-BS1)							Prepared: 0	6/08/23 Anal	yzed: 06/10/23
Benzene	2.16	0.0250	2.50		86.5	70-130			
Ethylbenzene	2.15	0.0250	2.50		86.0	70-130			
Toluene	2.20	0.0250	2.50		87.9	70-130			
o-Xylene	2.25	0.0250	2.50		89.9	70-130			
o,m-Xylene	4.43	0.0500	5.00		88.6	70-130			
Total Xylenes	6.68	0.0250	7.50		89.1	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
Matrix Spike (2323061-MS1)				Source:	E306074-	02	Prepared: 0	6/08/23 Anal	yzed: 06/10/23
Benzene	2.25	0.0250	2.50	ND	90.1	48-131			
Ethylbenzene	2.28	0.0250	2.50	ND	91.2	45-135			
Toluene	2.32	0.0250	2.50	ND	92.8	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.1	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	93.9	43-135			
Total Xylenes	7.10	0.0250	7.50	ND	94.6	43-135			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			
Matrix Spike Dup (2323061-MSD1)				Source:	E306074-	02	Prepared: 0	6/08/23 Anal	yzed: 06/10/23
Benzene	2.20	0.0250	2.50	ND	88.0	48-131	2.38	23	
Ethylbenzene	2.22	0.0250	2.50	ND	88.6	45-135	2.89	27	
Toluene	2.26	0.0250	2.50	ND	90.4	48-130	2.69	24	
o-Xylene	2.31	0.0250	2.50	ND	92.5	43-135	3.78	27	
p,m-Xylene	4.55	0.0500	5.00	ND	90.9	43-135	3.22	27	
Total Xylenes	6.86	0.0250	7.50	ND	91.5	43-135	3.41	27	
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
			0.500		101	50 120			

0.500

70-130

0.504

Surrogate: Toluene-d8

Matador Production CompanyProject Name:Voni East Facility Tank BatteryReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/15/20231:23:28PM

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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323061-BLK1)							Prepared: 00	6/08/23	Analyzed: 06/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
LCS (2323061-BS2)							Prepared: 00	6/08/23	Analyzed: 06/10/23
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike (2323061-MS2)				Source:	E306074-	02	Prepared: 0	6/08/23	Analyzed: 06/10/23
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
Matrix Spike Dup (2323061-MSD2)				Source:	E306074-	02	Prepared: 0	6/08/23	Analyzed: 06/10/23
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130	3.55	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			



Matador Production Company 3122 National Parks HWY	Project Name: Project Number:	Voni East Facility Tank Battery 23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/15/2023 1:23:28PM

Carisbad Nivi, 88220		Project Manage	r: As	sniey Gloveng	30			'	0/13/2023 1.23.28FN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2324001-BLK1)							Prepared: 0	6/12/23 Ar	nalyzed: 06/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	37.6		50.0		75.2	50-200			
LCS (2324001-BS1)							Prepared: 0	6/12/23 Ar	nalyzed: 06/12/23
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	38-132			
Surrogate: n-Nonane	33.3		50.0		66.6	50-200			
Matrix Spike (2324001-MS1)				Source:	E306079-	04	Prepared: 0	6/12/23 Ar	nalyzed: 06/12/23
Diesel Range Organics (C10-C28)	426	25.0	250	130	119	38-132			
Surrogate: n-Nonane	29.7		50.0		59.4	50-200			
Matrix Spike Dup (2324001-MSD1)				Source:	E306079-	04	Prepared: 0	6/12/23 Ar	nalyzed: 06/12/23
Diesel Range Organics (C10-C28)	401	25.0	250	130	108	38-132	6.20	20	
Surrogate: n-Nonane	32.1		50.0		64.2	50-200			

Matrix Spike Dup (2324008-MSD1)

Chloride

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	oni East Facili 3052-0001 Ashley Giovens	•	attery			Reported: 6/15/2023 1:23:28PM
		Anions	by EPA	300.0/9056	4				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 (2324008-BLK1)							Prepared: 0	6/12/23 Ar	nalyzed: 06/14/23
Chloride	ND	20.0							
LCS (2324008-BS1)							Prepared: 0	6/12/23 Ar	nalyzed: 06/14/23
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2324008-MS1)				Source:	E306078-	01	Prepared: 0	6/12/23 Ar	nalyzed: 06/14/23
Chloride	378	40.0	250	128	99.8	80-120			

250

40.0

Source: E306078-01

112

80-120

7.53

128

QC Summary Report Comment:

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



Prepared: 06/12/23 Analyzed: 06/14/23

20

Definitions and Notes

Matador Production Company	Project Name:	Voni East Facility Tank Battery	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/15/23 13:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 I	nformatio	n		,	C	Chain of Custody	У												Page	of
Client: N	Aatador Pr	oduction	Compan	у	Bill To		11/2/1-3	TE SET	La	b U	se Or	nlv	The Walle		-	TA	T		EPA Pr	ogram
	Voni East			ery	Attention: Clint Talley		Lab	WO#			Job	Num	oer	1D	2D	3D		dard	CWA	SDWA
	Manager:				Address: On file		E3	SOL	07				1000-1					X		
	: 3122 Nat te, Zip: Ca			ay	City, State, Zip: On file Phone: 337-319-8398			>			Anal	ysis ar	nd Metho	d						RCRA
	575-988-0		WIGOZZO		Email: clinton.talley@matadorr	resources com		RO b											State	
Email: ag	giovengo@		n.com		<u> </u>	resources.com		RO/0	17	0		0.0		ΣN		_	N	M CO	UT AZ	TX
Report o	lue by:							d/0	y 802	826	6010	le 30(¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос		GDOC			Remarks	
11:30	6/7/23	S	1 jar		SS05-0.5'	1								X						
11:40	6/7/23	S	1 jar		SS06-0.5'	2								1						
11:50	6/7/23	S	1 jar		SS07-0.5'	3														
12:00	6/7/23	S	1 jar	- 14	SS08-0.5'	4								1						
					-															
																			1/2	
																			- 1	
Addition	al Instruc	tions: Pre	eserved o	n ice. Please co	agiovengo@ensolum.com, cole.bu	ırton@ensolum	n.con	n and	clin	ton.	talley	y@m	atadorre	sourc	es.co	om or	ı lab r	esults		
				icity of this sample. I	am aware that tampering with or intentionally migal action. Sampled by: Dmitry Nike		locatio	on,			F-0.700		ing thermal ; t an avg tem						hey are sampl	ed or receive
	ed by: (Signa		Date	/_ / Time	30 Received by: (Signature)	Date	23	Time	30		Rece	eived	on ice:		b Us	e Onl	У			
Me	ed by: (Signa	Court	Date	Time	Received by: (Signature)	Date		Time	33	5	T1			T2			I	3		
	ed by: (Signa	ture)	Date	Time	(00 Received by (Signature)	- 10/9/	13	Time /	'a)		i Tem	p°C	4						
			1.00	queous, O - Other	7,101	Container	Type	: g - g	lass.				-	er glas	s v -	VOA				

envirotech Inc.

Printed: 6/9/2023 9:37:35AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

	Client:	Matador Production Company	Date Received:	06/09/23	06:00	Work Order ID:	E306078
Email: agiovago@canoluan.com Due Dair: 06/15/23 17:00 (4 day TAT) Does the sample ID match the COC? 1. Does the sample ID match the COC? 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates times, requested analyses? Note: Analysis, sech as pif which should be conducted in the field, i.e., 15 minute bold time, are on tinckeded in this discussion. Sample Tran Around Time (TAT) Old the COC indicate astendard TAT, or Expedited TAT? Yes Sample Cooler. 7. Was a sample cooler received? 8. If yes, was cooler received? 8. If yes, was cooler received in good condition? 10. Were custody/security seals present? 11. If yes, were custody/security seals present? 12. Was the sample to received in good condition? 13. If no visible ic, record the temperature. Actual sample temperature: 4°C Sample Container. 14. Are squeen VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head speace less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct container? Yes Sample ID? Sample ID? Sample Container 19. Is the appropriate between them (pea sized or less)? NA 19. Were field Label. 20. Were field sample labels filled out with the minimum information: Sample ID? Sample Directive container than one phase, i.e., multiplase? No Multiplase Sample Martr. 21. Does the COC or field labels indicate the samples were preserved? No Multiplase Sample Martr. No Subscontract Laboratory specified by the client and if so who? No Subscontract Laboratory specified by the client and if so who? No Subscontract Laboratory specified by the client and if so who? No Subscontract Laboratory specified by the client and if so who? No Subscontract Laboratory specified by the client and if so who? No Subscontract Laboratory specified by the client and if so who? No Subscontract Laboratory specified by the client and if so who? No Subscontract Laboratory spec	Phone:	(575) 988-0055	Date Logged In:	06/08/23	16:38	Logged In By:	Caitlin Mars
Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes New Surface Surface Yes Carrier: Courier	Email:			06/15/23	17:00 (4 day TAT)		
Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes New Surface Surface Yes Carrier: Courier							
2. Does the number of samples per sampling site location match the COC 3. Were samples dopped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates times, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 7. Was a sample Turn Around Timer CTAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample specified by received in good condition? 7. Was a sample received in good condition? 7. Was a sample received in good condition? 7. Yes 8. If yes, was cooler received? 8. If yes, was cooler received? 9. Was the sample's precived in intex, i.e., not broken? 9. Was the sample's received in intex, i.e., not broken? 9. Was the sample's received in intex, i.e., not broken? 9. Was the sample's received on itex? If yes, the recorded temp is 4°C, i.e., 6°+2°C Note: Thermal preservation is not required, if samples are received wil 15 nimutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: \$\frac{4}{2}C\$ 8. Sample Container 14. Are aqueous VOC samples collected in VOA Vials? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 8 Sample Preservation. 21. Does a the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. La bab filteration required and or requested for dissolved metals? 24. Is lab filteration required and or requested for dissolved metals? 25. No 8 Subcontract Laboratory 26. No 8 Subcontract Laboratory 27. If yes, does the COC specify which phase(s) is to be analyzed?		<u></u>					
3. Were samples dropped off by client or earrier? 4. Was the COC complete, i.e., signatures, date-binnes, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 7. Was a sample sample(s) received intact, i.e., not broken? 7. Was a sample cooler received in good condition? 7. Was a sample received on itself it, i.e., not broken? 7. Was a sample cooler received in the field. 7. Were custody/security seals intact? 7. Was a sample received on itself it yas, the recorded temp is 4°C, i.e., 6°±2°C 7. Note Thermal preservation is not required. If samples are received wit 15 minutes of sampling 7. In or visible ice, record the temperature. Actual sample temperature: 8. Actual sample received on itself ityse, the recorded temp is 4°C, i.e., 6°±2°C 8. Note Thermal preservation is not required. If samples are received wit 15 minutes of sampling 7. In or visible ice, record the temperature. Actual sample temperature: 8. Actual sample received on involt A visits? 8. Are non-VOC samples collected in VOA Visits? 8. Are non-VOC samples collected in the correct containers? 9. No 18. Are non-VOC samples collected in the correct containers? 9. Yes 9. In the part protection of the correct containers? 9. Yes 9. Date Time Collected? 9. Yes 9. Date Time Collected? 9. Yes 9. Date Time Collected? 9. Yes 9. Date Time Collected and/or requested for dissolved metals? 9. No 19. It has a proper have been than one phase, i.e., multiphase? 10. Les the COC or field labels indicate the samples were preserved? 10. An analysis of the COC specify which phase(s) is to be analyzed? 10. Les the COC or field labels indicate the samples were preserved? 10. An analysis of the COC specify which phase(s) is to be analyzed? 11. If yes, does the COC specify which phase(s) is to be analyzed? 12. Are sampled; or over than one		•	ah sha COC				
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note Analysis, such as pit which should be conducted in the field. i.e., 15 minute hold time, are not included in this dissession. Samule Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (spot crucial intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ites (1) yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received will 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trib Sample (Typ) which planes are received will 15 minutes of sampling 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/veight or number of sample containers collected? 19. Is the appropriate volume/veight or number of sample containers collected? 19. List appropriate volume/veight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date Time Collected? Collectors ame? 21. Does the COC or field labels indicate the samples were preserved? No Multiphase Sample Matrix 22. Are sample(2) correctly preserved? No Multiphase Sample Matrix 23. Are samples captived to get sent to a subcontract laboratory? No 25. Was a subcontract Laboratory specified by the client and if so who? 26. Subcontract Lab: NA			en the COC				
5. Were all samples received within holding time? Note: Analysis, such as pit which should be conducted in the feld, i.e., 15 minute hold time, are not included in this discussion. Samule Turn Around Time (TAT) 6. Did the COol indicate standard TAT, or Expedited TAT? 8 The Sample Cooler received? 8. If yes, was cooler received in good condition? 9. Was in the sample (s) received intact, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Themal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a rip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the papeopriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample IP Date: Time Collected? Collectors name? 21. Does the COC or field labels indicate the samples were preserved? No. Sample Preservation 12. Does the COC or field labels indicate the samples were preserved? No. Sample IP Date: Time Collected? Collectors name? No. Sample IP Date: Time Collected? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample were preserved? No. Sample IP Analyse or the sample w			4-4		Carrier: Courier		
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Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Voni East Facility Tank Battery

Work Order: E307061

Job Number: 23052-0001

Received: 7/17/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/21/23

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: 7/21/23

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

Project Name: Voni East Facility Tank Battery

Workorder: E307061

Date Received: 7/17/2023 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/17/2023 8:30:00AM, under the Project Name: Voni East Facility Tank Battery.

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

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

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

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

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/21/23 12:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02B-2'	E307061-01A	Soil	07/13/23	07/17/23	Glass Jar, 2 oz.
SS02C-3'	E307061-02A	Soil	07/13/23	07/17/23	Glass Jar, 2 oz.
SS02D-4'	E307061-03A	Soil	07/13/23	07/17/23	Glass Jar, 2 oz.
SS01C-3'	E307061-04A	Soil	07/13/23	07/17/23	Glass Jar, 2 oz.
SS01D-4'	E307061-05A	Soil	07/13/23	07/17/23	Glass Jar, 2 oz.
SS01E-5'	E307061-06A	Soil	07/13/23	07/17/23	Glass Mason Jar 16 oz
SS03A-2'	E307061-07A	Soil	07/13/23	07/17/23	Glass Mason Jar 16 oz
SS03B-3'	E307061-08A	Soil	07/13/23	07/17/23	Glass Mason Jar 16 oz
SS08A-0.5'	E307061-09A	Soil	07/13/23	07/17/23	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS02B-2' E307061-01

		200.001 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.1 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		87.7 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2329011
Chloride	659	20.0	1	07/17/23	07/19/23	

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS02C-3'

E307	' 061	_02
E3U/	UO 1	UZ

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		82.0 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2329011
Chloride	784	20.0	1	07/17/23	07/19/23	



Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS02D-4'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		89.1 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2329011



Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS01C-3'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		76.9 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2329011
Chloride	3630	40.0	2	07/17/23	07/19/23	



Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS01D-4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.8 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		83.1 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2329011



Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS01E-5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		87.9 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2329011
Chloride	1220	20.0	1	07/17/23	07/19/23	



Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS03A-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		96.7 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2329011
Chloride	199	20.0	1	07/17/23	07/19/23	•



Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS03B-3'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
p,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/19/23	
Surrogate: n-Nonane		89.8 %	50-200	07/19/23	07/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2329011
Chloride	184	20.0	1	07/17/23	07/19/23	•



Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

SS08A-0.5'

		E307061-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2329002
Benzene	ND	0.0250	1	07/17/23	07/18/23	
Ethylbenzene	ND	0.0250	1	07/17/23	07/18/23	
Toluene	ND	0.0250	1	07/17/23	07/18/23	
o-Xylene	ND	0.0250	1	07/17/23	07/18/23	
o,m-Xylene	ND	0.0500	1	07/17/23	07/18/23	
Total Xylenes	ND	0.0250	1	07/17/23	07/18/23	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2329002
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/23	07/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	07/17/23	07/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2329038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/23	07/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/23	07/20/23	
Surrogate: n-Nonane		94.7 %	50-200	07/19/23	07/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2329011
Chloride	197	40.0	2	07/17/23	07/19/23	



QC Summary Data

Voni East Facility Tank Battery Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 7/21/2023 12:18:22PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2329002-BLK1) Prepared: 07/17/23 Analyzed: 07/18/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.50 8.00 93.8 70-130 LCS (2329002-BS1) Prepared: 07/17/23 Analyzed: 07/18/23 4.72 94.4 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.68 0.0250 5.00 93.5 70-130 4.75 0.0250 5.00 94.9 70-130 Toluene o-Xylene 4.68 0.0250 5.00 93.6 70-130 9.53 10.0 95.3 70-130 0.0500 p.m-Xvlene 94.8 70-130 14.2 15.0 Total Xylenes 0.0250 8.00 95.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.64 Matrix Spike (2329002-MS1) Source: E307061-03 Prepared: 07/17/23 Analyzed: 07/18/23 5.29 0.0250 5.00 ND 54-133 Benzene ND 105 61-133 Ethylbenzene 5.23 0.0250 5.00 Toluene 5.32 0.0250 5.00 ND 106 61-130 5.23 ND 105 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.6 0.0500 10.0 ND 106 63-131 15.9 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.71 8.00

Source: E307061-03

99.7

101

99.8

102

101

96.2

54-133

61-133

61-130

63-131

63-131

63-131

70-130

4.72

4.82

4 81

4.75

4.77

4.77

ND

ND

ND

ND

ND

ND



Prepared: 07/17/23 Analyzed: 07/18/23

20

20

20

20

20

20

Matrix Spike Dup (2329002-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

5.05

4.99

5.07

4.99

10.2

15.1

7.70

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Voni East Facility Tank BatteryReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo7/21/2023 12:18:22PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			7/	21/2023 12:18:22PM
	Non	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 (2329002-BLK1)							Prepared: 0	7/17/23 Ana	alyzed: 07/18/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			
LCS (2329002-BS2)							Prepared: 0	7/17/23 Ana	alyzed: 07/18/23
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.1	70-130			
Matrix Spike (2329002-MS2)				Source:	E307061-	03	Prepared: 0	7/17/23 Ana	alyzed: 07/18/23
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			
Matrix Spike Dup (2329002-MSD2)				Source:	E307061-	03	Prepared: 0	7/17/23 Ana	alyzed: 07/18/23
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.7	70-130	4.50	20	

8.00

6.85

85.6

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Voni East Facility Tank BatteryReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo7/21/2023 12:18:22PM

Danas 1X, 73240		1 Toject Wianage	i. As	mey Gloveng	30			,	72172025 12.10.2211
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2329038-BLK1)							Prepared: 0	7/19/23 An	alyzed: 07/19/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.1		50.0		94.1	50-200			
LCS (2329038-BS1)							Prepared: 0	7/19/23 An	alyzed: 07/19/23
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			
Matrix Spike (2329038-MS1)				Source:	E307085-	05	Prepared: 0	7/19/23 An	alyzed: 07/19/23
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	43.3		50.0		86.6	50-200			
Matrix Spike Dup (2329038-MSD1)				Source:	E307085-	05	Prepared: 0	7/19/23 An	alyzed: 07/19/23
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	3.98	20	
Surrogate: n-Nonane	46.8		50.0		93.6	50-200			

Chloride

M2

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Voni East Facility Tank Battery 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2023 12:18:22PM

		Anions	by EPA 3	00.0/9056	4				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 (2329011-BLK1)							Prepared: 0	7/17/23 Anal	yzed: 07/19/23
Chloride	ND	20.0							
LCS (2329011-BS1)							Prepared: 0	7/17/23 Anal	yzed: 07/19/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2329011-MS1)				Source:	E307061-	01	Prepared: 0	7/17/23 Anal	yzed: 07/19/23
Chloride	1020	20.0	250	659	143	80-120			M2
Matrix Spike Dup (2329011-MSD1)				Source:	E307061-	01	Prepared: 0	7/17/23 Anal	yzed: 07/19/23

250

20.0

659

134

80-120

2.19

QC Summary Report Comment:

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



Definitions and Notes

Γ	Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/21/23 12:18

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

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

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



)	of	Keceiv
am)WA		erved by OCL
CRA): 11/2
		2/2024
		8.53

							E	30	JOL	12	C	m								
Client: N	Aatador Prod	duction C	ompany		Bill To				La	b U	se Or	nly				T	AT		EPA P	rogram
Project:	Voni East Fa	acility Tar	nk Battery		Attention: Matador Product	tion Company	Lak	WO#			Job	Nun	ber .	1D	2D	3D	St	andard	CWA	SDWA
Project I	Manager: As	hley Giov	engo		Address:		E	3070	DLO	5	23	05	2.0001					X		
Address	: 3122 Natio	nal Parks	Hwy		City, State, Zip								nd Metho	_						RCRA
-	te, Zip Carls		88220		Phone:			by												
Phone:	575-988-005	55			Email:			ORO											State	
Email: a	ngiovengo@e	ensolum.	com					30/0	-			0.0		MN				NM CO	UT AZ	TX
Report o	due by:				le and			0/D	802	8260	5010	300				¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
926	7/13/2023	S	1		SS02B-2'	1								x						
944	7/13/2023	S	1		SS02C-3'	2								х						
1030	7/13/2023	S	1		SS02D-4'	3								х			12.			
1122	7/13/2023	S	1		SS01C-3'	4								х						
1145	7/13/2023	S	1		SS01D-4'	5								х						
1210	7/13/2023	R	1		SS01E-5'	6								х						
1230	7/13/2023	R	1		SS03A-2'	7								х						
1236	7/13/2023	R	1		SS03B-3'	8								х						
1406	7/13/2023	S	1		SS08A-0.5'	9								х						
Addition	nal Instruction	ns: CC a	giovengo	@ensolum.co	om, cburton@ensolum.com, and rha	yes@ensolum	.con	1				*								
				ty of this sample. I y be grounds for le	am aware that tampering with or intentionally mis gal action. <u>Sampled by: Ronni Ha</u>	yes												on ice the day t an 6 °C on subse		led or
)	ned by: (Signatu		Date 7	14/23 Time	Received by: (Signature)	Date 7-14	-23	Time / (015	5	Rece	eivec	l on ice:		ab Us	se On	ly		West 74	
Muc		unall		42) Time	Received by: (Signature) Received by: (Signature) Received by: (Signature)	7.14		Time	00		T1			T2				T3		
Relinguish	ed by: (Signatu	NUSS	Date 7.	14.23 2	300 Putter Man	- 7/17/2	23	Time 8	30		AVG	Ten	np°C_	1						
Company of the Compan	trix: S - Soil, Sd - S	the state of the s				Containe	r Typ	e: g - g	lass,	p - p	oly/p	lastic	, ag - amb	er gl	ass, v	- VO	4		N-W-	
Note: Sam	ples are discar	ded 30 days	s after resul	ts are reported u	inless other arrangements are made. Hazard	lous samples will	be re	turned	to clie	ent or	dispo	sed o	of at the clie	ent ex	pense	. The	repo	ort for the ar	alysis of th	ne above
samples is	applicable only	to those s	amples rece	eived by the labo	ratory with this COC. The liability of the labor	atory is limited to	the :	amoun	t paid	for o	n the	repor	t.						***************************************	

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

envirotech

envirotech Inc.

Printed: 7/17/2023 10:08:45AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	07/17/23 (08:30	V	Vork Order ID:	E307061
Phone:	(575) 988-0055	Date Logged In:	07/14/23 1	13:16	I	ogged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	07/21/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Co	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comments	/Resolution
Sample T	urn Around Time (TAT)			Γ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		· • • · · · · · <u> </u>	-				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·	ners conceica.	105				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	ormation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
-	imples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab:	NA		
				Subcontract Eus.	1411		
Chent In	<u>istruction</u>						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Voni East Facility Tank Battery

Work Order: E311018

Job Number: 23052-0001

Received: 11/2/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/14/23

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: 11/14/23

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

Project Name: Voni East Facility Tank Battery

Workorder: E311018

Date Received: 11/2/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/2/2023 8:15:00AM, under the Project Name: Voni East Facility Tank Battery.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Keporteu.
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/23 10:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03 - 0'	E311018-01A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS04 - 0'	E311018-02A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS05 - 0'	E311018-03A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS06 - 0'	E311018-04A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS07 - 0'	E311018-05A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS08 - 0'	E311018-06A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS09 - 0'	E311018-07A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS10 - 0'	E311018-08A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS11 - 1'	E311018-09A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS12 - 1'	E311018-10A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.

Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS03 - 0' E311018-01

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2344072
Benzene	ND	0.0250	1		11/02/23	11/03/23	
Ethylbenzene	ND	0.0250	1		11/02/23	11/03/23	
Toluene	ND	0.0250	1		11/02/23	11/03/23	
o-Xylene	ND	0.0250	1		11/02/23	11/03/23	
p,m-Xylene	ND	0.0500	1		11/02/23	11/03/23	
Total Xylenes	ND	0.0250	1		11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		11/02/23	11/03/23	
Surrogate: Toluene-d8		111 %	70-130		11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: R	RKS		Batch: 2344072
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		97.5 %	70-130		11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		11/02/23	11/03/23	
Surrogate: Toluene-d8		111 %	70-130		11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: K	CM		Batch: 2344103
Diesel Range Organics (C10-C28)	ND	25.0	1		11/03/23	11/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1		11/03/23	11/05/23	
Surrogate: n-Nonane		95.5 %	50-200		11/03/23	11/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: E	BA		Batch: 2345010
Chloride	5780	1000	50)	11/06/23	11/07/23	

Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS04 - 0'

E311018-02 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: RKS Batch: 2344072 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 11/02/23 11/03/23 ND 0.0250 Benzene 1 11/02/23 11/03/23 Ethylbenzene ND 0.0250 ND 0.0250 1 11/02/23 11/03/23 Toluene 1 11/02/23 11/03/23 o-Xylene ND 0.0250 11/02/23 11/03/23 ND 0.0500 1 p,m-Xylene 11/02/23 11/03/23 1 Total Xylenes ND 0.0250 11/02/23 11/03/23 Surrogate: Bromofluorobenzene 98.6 % 70-130 Surrogate: 1,2-Dichloroethane-d4 96.7 % 70-130 11/02/23 11/03/23 Surrogate: Toluene-d8 109 % 70-130 11/02/23 11/03/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2344072 ND 11/02/23 11/03/23 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 11/02/23 11/03/23 98.6 % 70-130 11/02/23 11/03/23 Surrogate: 1,2-Dichloroethane-d4 96.7% 70-130 Surrogate: Toluene-d8 11/02/23 11/03/23 109 % 70-130 mg/kg Analyst: KM Batch: 2344103 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 11/03/23 11/05/23 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 11/03/23 11/05/23 Oil Range Organics (C28-C36) 96.3 % 50-200 11/03/23 11/05/23 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA Batch: 2345010

1000

6670

50

11/06/23

11/07/23

Chloride

Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS05 - 0'

E311018-03 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: RKS Batch: 2344072 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 11/02/23 11/03/23 ND 0.0250 Benzene 1 11/02/23 11/03/23 Ethylbenzene ND 0.0250 ND 0.0250 1 11/02/23 11/03/23 Toluene 1 11/02/23 11/03/23 o-Xylene ND 0.0250 11/02/23 11/03/23 ND 0.0500 1 p,m-Xylene 11/02/23 11/03/23 1 Total Xylenes ND 0.0250 97.7 % 11/02/23 11/03/23 Surrogate: Bromofluorobenzene 70-130 Surrogate: 1,2-Dichloroethane-d4 97.5 % 70-130 11/02/23 11/03/23 Surrogate: Toluene-d8 108 % 70-130 11/02/23 11/03/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2344072 ND 11/02/23 11/03/23 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 97.7 % 11/02/23 11/03/23 70-130 11/02/23 11/03/23 Surrogate: 1,2-Dichloroethane-d4 97.5 % 70-130 Surrogate: Toluene-d8 11/02/23 11/03/23 108 % 70-130 mg/kg Analyst: KM Batch: 2344103 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 11/03/23 11/05/23 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 11/03/23 11/05/23 Oil Range Organics (C28-C36) 83.3 % 50-200 11/03/23 11/05/23 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA Batch: 2345010

1000

9570

50

11/06/23

11/07/23

Chloride

Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS06 - 0'

E311018-04

	_	Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2344072
Benzene	ND	0.0250	1	11/02/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/03/23	
Toluene	ND	0.0250	1	11/02/23	11/03/23	
o-Xylene	ND	0.0250	1	11/02/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130	11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/02/23	11/03/23	
Surrogate: Toluene-d8		108 %	70-130	11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344072
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130	11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/02/23	11/03/23	
Surrogate: Toluene-d8		108 %	70-130	11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2344103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/05/23	
Surrogate: n-Nonane		91.7 %	50-200	11/03/23	11/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2345010
Chloride	6800	400	20	11/06/23	11/07/23	



Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS07 - 0' E311018-05

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Batch: 2344072		
Benzene	ND	0.0250	1	11/02/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/03/23	
Toluene	ND	0.0250	1	11/02/23	11/03/23	
o-Xylene	ND	0.0250	1	11/02/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/02/23	11/03/23	
Surrogate: Toluene-d8		109 %	70-130	11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: RKS				Batch: 2344072
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/02/23	11/03/23	
Surrogate: Toluene-d8		109 %	70-130	11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg Analyst: KM		Batch: 2344103		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/05/23	
Surrogate: n-Nonane		96.6 %	50-200	11/03/23	11/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: BA		Batch: 2345010
Chloride	3300	400	20	11/06/23	11/07/23	



Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS08 - 0' E311018-06

Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: RKS Batch: 2344072 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 11/02/23 11/03/23 ND 0.0250 Benzene 1 11/02/23 11/03/23 Ethylbenzene ND 0.0250 ND 0.0250 1 11/02/23 11/03/23 Toluene 1 11/02/23 11/03/23 o-Xylene ND 0.0250 11/02/23 11/03/23 ND 0.0500 1 p,m-Xylene 11/02/23 11/03/23 1 Total Xylenes ND 0.0250 11/02/23 11/03/23 Surrogate: Bromofluorobenzene 98.5 % 70-130 Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 11/02/23 11/03/23 Surrogate: Toluene-d8 109 % 70-130 11/02/23 11/03/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2344072 ND 11/02/23 11/03/23 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 98.5 % 11/02/23 11/03/23 70-130 11/02/23 11/03/23 Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 Surrogate: Toluene-d8 11/02/23 11/03/23 109 % 70-130 mg/kg Analyst: KM Batch: 2344103 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 11/03/23 11/05/23 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 11/03/23 11/05/23 Oil Range Organics (C28-C36)

93.7%

mg/kg

400

mg/kg

3830

50-200

11/03/23

11/06/23

Analyst: BA

20

11/05/23

11/07/23

Batch: 2345010



Surrogate: n-Nonane

Chloride

Anions by EPA 300.0/9056A

Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS09 - 0'

		E311018-07					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS				Batch: 2344072
Benzene	ND	0.0250		1	11/02/23	11/03/23	
Ethylbenzene	ND	0.0250		1	11/02/23	11/03/23	
Toluene	ND	0.0250		1	11/02/23	11/03/23	
o-Xylene	ND	0.0250		1	11/02/23	11/03/23	
p,m-Xylene	ND	0.0500		1	11/02/23	11/03/23	
Total Xylenes	ND	0.0250	Ī	1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		100 %	70-130		11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/02/23	11/03/23	
Surrogate: Toluene-d8		109 %	70-130		11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2344072	
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		100 %	70-130		11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/02/23	11/03/23	
Surrogate: Toluene-d8		109 %	70-130		11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2344103
Diesel Range Organics (C10-C28)	ND	25.0		1	11/03/23	11/05/23	
Oil Range Organics (C28-C36)	ND	50.0		1	11/03/23	11/05/23	
Surrogate: n-Nonane		97.2 %	50-200		11/03/23	11/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2345010
Chloride	ND	400	2	.0	11/06/23	11/07/23	



Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS10 - 0' E311018-08

Notes Batch: 2344072
Batch: 2344072
Batch: 2344072
Batch: 2344103
Batch: 2345010

Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS11 - 1' E311018-09

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2344072	
Benzene	ND	0.0250		1	11/02/23	11/03/23	
Ethylbenzene	0.0510	0.0250		1	11/02/23	11/03/23	
Toluene	ND	0.0250		1	11/02/23	11/03/23	
o-Xylene	0.835	0.0250		1	11/02/23	11/03/23	
p,m-Xylene	1.07	0.0500		1	11/02/23	11/03/23	
Total Xylenes	1.90	0.0250		1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		103 %	70-130		11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		11/02/23	11/03/23	
Surrogate: Toluene-d8		115 %	70-130		11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2344072		
Gasoline Range Organics (C6-C10)	132	20.0		1	11/02/23	11/03/23	
Surrogate: Bromofluorobenzene		103 %	70-130		11/02/23	11/03/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		11/02/23	11/03/23	
Surrogate: Toluene-d8		115 %	70-130		11/02/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2344103	
Diesel Range Organics (C10-C28)	2050	25.0		1	11/03/23	11/05/23	
Oil Range Organics (C28-C36)	201	50.0		1	11/03/23	11/05/23	
Surrogate: n-Nonane		123 %	50-200		11/03/23	11/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	:: BA		Batch: 2345010
Chloride	4980	40.0		2	11/06/23	11/07/23	

Matador Resources, LLC.Project Name:Voni East Facility Tank Battery5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

FS12 - 1' E311018-10

ing t Dilu	tion Prepared	Analyzed	Notes
	tion Prepared	Analyzed	Notes
g			1.000
	Analyst: RKS		Batch: 2344072
50 1	11/02/23	11/03/23	
50 1	11/02/23	11/03/23	
50 1	11/02/23	11/03/23	
50 1	11/02/23	11/03/23	
00 1	11/02/23	11/03/23	
50 1	11/02/23	11/03/23	
70-130	11/02/23	11/03/23	
70-130	11/02/23	11/03/23	
70-130	11/02/23	11/03/23	
g .	Analyst: RKS	Batch: 2344072	
) 1	11/02/23	11/03/23	
70-130	11/02/23	11/03/23	
70-130	11/02/23	11/03/23	
70-130	11/02/23	11/03/23	
g .	Analyst: KM		Batch: 2344103
) 1	11/03/23	11/05/23	
) 1	11/03/23	11/05/23	
50-200	11/03/23	11/05/23	
g	Analyst: BA		Batch: 2345010
5	11/06/23	11/07/23	
	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130	1 11/02/23 50 1 11/02/23 50 1 11/02/23 50 1 11/02/23 50 1 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 50-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23 70-130 11/02/23	50



Matador Resources, LLC. Project Name: Voni East Facility Tank Battery Reported:
5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001
Dallas TX, 75240 Project Manager: Ashley Giovengo 11/14/2023 10:37:05AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			11/1	4/2023 10:37:05A
	V	olatile Organ	ic Compo	unds by El	PA 82601	В		I	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 (2344072-BLK1)							Prepared: 11	1/02/23 Anal	yzed: 11/03/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			
LCS (2344072-BS1)							Prepared: 11	1/02/23 Anal	yzed: 11/03/23
Benzene	2.41	0.0250	2.50		96.3	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Foluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.38	0.0250	2.50		95.2	70-130			
p,m-Xylene	4.77	0.0500	5.00		95.3	70-130			
Total Xylenes	7.15	0.0250	7.50		95.3	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike (2344072-MS1)				Source:	E311018-0	05	Prepared: 1	1/02/23 Anal	yzed: 11/03/23
Benzene	2.44	0.0250	2.50	ND	97.5	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.6	43-135			
o,m-Xylene	4.79	0.0500	5.00	ND	95.8	43-135			
Fotal Xylenes	7.18	0.0250	7.50	ND	95.7	43-135			
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
Matrix Spike Dup (2344072-MSD1)				Source:	E311018-0	05	Prepared: 11	1/02/23 Anal	yzed: 11/03/23
Benzene	2.46	0.0250	2.50	ND	98.4	48-131	0.919	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	2.00	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	1.35	24	
p-Xylene	2.44	0.0250	2.50	ND	97.6	43-135	1.99	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.4	43-135	1.69	27	
Total Xylenes	7.31	0.0250	7.50	ND	97.5	43-135	1.79	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
			0.500		100	50 120			

0.500

108

70-130

0.540

Surrogate: Toluene-d8

Matador Resources, LLC.Project Name:Voni East Facility Tank BatteryReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/14/2023 10:37:05AM

Dallas 1X, /5240		Project Manage	r: As	sniey Gioveng	30			11/1	4/2023 10:37:03AN
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344072-BLK1)							Prepared: 1	1/02/23 Analy	yzed: 11/03/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			
LCS (2344072-BS2)							Prepared: 1	1/02/23 Analy	yzed: 11/03/23
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.565		0.500		113	70-130			
Matrix Spike (2344072-MS2)				Source:	E311018-	05	Prepared: 1	1/02/23 Analy	yzed: 11/03/23
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			

Surrogate: Toluene-d8	0.563		0.500		113	70-130			
Matrix Spike Dup (2344072-MSD2)				Source:	E311018-0	5	Prepared: 11	/02/23 Analyzed: 11/03/23	
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130	3.04	20	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.569		0.500		114	70-130			

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Voni East Facility Tank Battery 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/2023 10:37:05AM

	Anions by EPA 300.0/9056A										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2345010-BLK1)							Prepared: 1	1/06/23 Anal	yzed: 11/07/23		
Chloride	ND	20.0									
LCS (2345010-BS1)							Prepared: 1	1/06/23 Anal	yzed: 11/07/23		
Chloride	256	20.0	250		102	90-110					
Matrix Spike (2345010-MS1)				Source:	E311007-	02	Prepared: 1	1/06/23 Anal	yzed: 11/07/23		
Chloride	9110	1000	250	9040	27.1	80-120			M4		
Matrix Spike Dup (2345010-MSD1)				Source:	E311007-	02	Prepared: 1	1/06/23 Anal	yzed: 11/07/23		
Chloride	9410	1000	250	9040	147	80-120	3.25	20	M4		

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/14/23 10:37

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

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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Client: N	Aatador Pro	duction C	ompany.		100	Bill To				La	b Us	e On	ly				TA	AT	EPA	Program
	Voni East			attery		Attention: Matador Producti	ion Company	Lal	b WO#	1	_	Job N	Vum	ber	1D	2D	3D	Standard	CWA	SDWA
	Manager: As					Address: on file		E	311	01	8	23	SOS	2.0001				X		
	3122 Natio					City, State, Zip:						Analy	sis a	nd Metho	d					RCRA
	e, Zip: Carl		88220			Phone: (337)319-8398			by											
-	575-988-005					Email: clinton.talley@matado	orresources.com		ORO										State	
	giovengo@e	nsolum.	com						RO/	21	0		300.0		Z		_	NM C	O UT A	Z TX
Report d	ue by:								0/0	, 8021	8260	6010	e 30				X	X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	втех ь	VOC by	Metals 6010	Chloride		BGDOC		GDOC		Remark	s
13155	10/31/23	5011	l		1	-503 - 0'									X					-0
14:00	16/31/23	Soil	(TO THE RESERVE OF THE PERSON O		F504 - 0°	2								X					
11:09	10/31/23	Soil	1		1	=505 - 0'	3								X					
11:06	16/31/23	Soil	1		1	=306 - 0'	4								X					
	10/31/23		(F	507 -0'	5								X					
14:32	10/31/23	Soil	1		1=	508-0'	Le								X					
14:35	10/31/25	Soil	1		F	ion -0'	7								X					
14:39	10/31/23	Soil	1		FS	10 -01	8								X					
09:29	10/31/23	Soil	1			611 -01	9								X					
04:31	10/3/123	Soil	1		FS	12-01	10								X					
Addition	al Instruction	ns: Ple	ase CC: cl	ourton@enso	olum.	com, agiovengo@ensolum.com	m, chadhmilton	@e	nsolui	m.co	m									
						are that tampering with or intentionally m	1	e loca	ation,									eceived on ice the cless than 6 °C on s		23-21-01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
				be grounds for le					1											
1	ed by: (Signatu			01/23 Time		Received by: (Signature) Michelle Cu	ns 11-01-	23	_	40		Rece	ivec	on ice:		ab U	se On V	nly		
Mich	ed by: (Signatu	emple			530		11.00	. 2	Time	73	>	T1			<u>T2</u>			<u>T3</u>		
Relinquish	ed by: (Signatu	netsa	Date //.	1.73 Time	30	Received by: (Signature)	Date		Time	15		AVG	Ten	np °C	1					
	rix: S - Soil, Sd - S		dge, A - Aqu	eous, O - Other _			Containe													
						other arrangements are made. Haza									ent ex	xpens	e. The	e report for the	analysis of	the above



envirotechient expense. The report for the analysis of the above

Printed: 11/2/2023 10:56:38AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

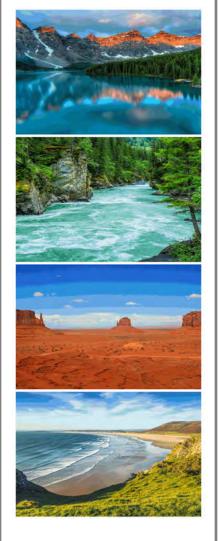
Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	11/02/23	08:15	Work Order ID:	E311018
Phone:	(972) 371-5200	Date Logged In:	11/01/23	17:11	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:		17:00 (4 day TAT)	,	
<u> </u>						
	Custody (COC)					
	he sample ID match the COC? the number of samples per sampling site location mat	oh the COC	Yes			
	samples dropped off by client or carrier?	cii ule COC	Yes	a . a .		
	ne COC complete, i.e., signatures, dates/times, reques	stad analysas?	Yes Yes	Carrier: Courier		
	all samples received within holding time?	sted analyses?	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		168		Comment	s/Resolution
Sample '	<u> Furn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample	Container_					
	iqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	•					
•	field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved m	ietais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Voni East Facility Tank Battery

Work Order: E311017

Job Number: 23052-0001

Received: 11/2/2023

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 11/13/23

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: 11/13/23

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

Project Name: Voni East Facility Tank Battery

Workorder: E311017

Date Received: 11/2/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/2/2023 8:15:00AM, under the Project Name: Voni East Facility Tank Battery.

The analytical test results summarized in this report with the Project Name: Voni East Facility Tank Battery 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

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ljarboe@envirotech-inc.com

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mgonzales@envirotech-inc.com

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Sample Summary

Γ	Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Reported:	
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reporteu.	
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/23 12:50	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 - 0-1'	E311017-01A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.



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Case	N	ara	tiv:	ρ.
Casc	1.7	ara	LIV	·-

Project Name: Voni East Facility Tank Battery

Workorder:E311017

Date Received: 11/02/23 08:15

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

Sample Name Laboratory ID Analysis

SW01-0-1' E311017-01 GRO/DRO/ORO by EPA 8015

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

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

Respectfully,

Walter Hinchman

Sample Data

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2023 12:50:08PM

SW01 - 0-1'

		E311017-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	0.162	0.0250	1	11/02/23	11/05/23	
Toluene	0.322	0.0250	1	11/02/23	11/05/23	
o-Xylene	1.43	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	2.83	0.0500	1	11/02/23	11/05/23	
Total Xylenes	4.25	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2345073
Gasoline Range Organics (C6-C10)	21.2	20.0	1	11/10/23	11/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/10/23	11/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2345083
Diesel Range Organics (C10-C28)	683	25.0	1	11/03/23	11/10/23	
Oil Range Organics (C28-C36)	88.8	50.0	1	11/03/23	11/10/23	
Surrogate: n-Nonane		84.6 %	50-200	11/03/23	11/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345010
Chloride	3900	400	20	11/06/23	11/07/23	



		•	
Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2023 12:50:08PM
	Volatile Orga	nics by EPA 8021B	Analyst: RKS

Dallas 1A, 73240		1 Toject Manage	1. As	sincy Glovens	30			11/1.	5/2025 12.50.001	
Volatile Organics by EPA 8021B								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 (2344071-BLK1)							Prepared:	11/02/23 Ana	lyzed: 11/05/23	
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	7.46		8.00		93.3	70-130				
LCS (2344071-BS1)							Prepared:	11/02/23 Ana	lyzed: 11/05/23	
Benzene	5.22	0.0250	5.00		104	70-130				
Ethylbenzene	5.00	0.0250	5.00		100	70-130				
Toluene	5.21	0.0250	5.00		104	70-130				
o-Xylene	5.14	0.0250	5.00		103	70-130				
p,m-Xylene	10.3	0.0500	10.0		103	70-130				
Total Xylenes	15.5	0.0250	15.0		103	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130				
Matrix Spike (2344071-MS1)				Sourc	e: E31101	9-02	Prepared:	11/02/23 Ana	lyzed: 11/05/23	
Benzene	5.44	0.0250	5.00	ND	109	54-133				
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133				
Toluene	5.42	0.0250	5.00	ND	108	61-130				
o-Xylene	5.33	0.0250	5.00	ND	107	63-131				
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131				
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131				
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.6	70-130				
Matrix Spike Dup (2344071-MSD1)				Sourc	e: E31101	9-02	Prepared:	11/02/23 Ana	lyzed: 11/05/23	
Benzene	5.06	0.0250	5.00	ND	101	54-133	7.34	20		
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	7.54	20		
Toluene	5.03	0.0250	5.00	ND	101	61-130	7.47	20		
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131	7.41	20		
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	7.50	20		
Total Xylenes	14.9	0.0250	15.0	ND	99.3	63-131	7.47	20		
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130				
om. ogaic. , Diomochiologicale i iD	7.57									

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2023 12:50:08PM

Dallas TX, 75240		Project Manage	r: As	shley Giovens	go				11/13/2023 12:50:08PM
	Noi	nhalogenated	Organics	by EPA 80	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
	mg/kg	mg/kg	mg/kg	mg/kg	/0	/0	/0	/0	rvotes
Blank (2345073-BLK1)							Prepared:	11/09/23	Analyzed: 11/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			
LCS (2345073-BS2)							Prepared:	11/09/23	Analyzed: 11/10/23
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
Matrix Spike (2345073-MS2)				Source	e: E31106	0-02	Prepared:	11/09/23	Analyzed: 11/10/23
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
Matrix Spike Dup (2345073-MSD2)				Sourc	e: E31106	0-02	Prepared:	11/09/23	Analyzed: 11/10/23
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130	3.76	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	70-130			

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2023 12:50:08PM

Dallas TX, 75240		Project Manage	r: As	shley Gioven	go			11	/13/2023 12:50:08PM
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2345083-BLK1)							Prepared:	11/09/23 A	nalyzed: 11/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			
LCS (2345083-BS1)							Prepared:	11/09/23 A	nalyzed: 11/10/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.6	38-132			
Surrogate: n-Nonane	49.9		50.0		99.9	50-200			
Matrix Spike (2345083-MS1)				Sourc	e: E31103	8-04	Prepared:	11/09/23 A	nalyzed: 11/10/23
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	51.8		50.0		104	50-200			
Matrix Spike Dup (2345083-MSD1)				Sourc	e: E31103	8-04	Prepared:	11/09/23 A	nalyzed: 11/10/23
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	1.55	20	
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			



Chloride

Chloride

Chloride

Matrix Spike (2345010-MS1)

Matrix Spike Dup (2345010-MSD1)

256

9110

9410

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	Voni East Facility Tank Battery 23052-0001 Ashley Giovengo				11/1	Reported: 3/2023 12:50:08PM
		Anions	by EPA	300.0/9056	4				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 (2345010-BLK1)							Prepared:	11/06/23 An	alyzed: 11/07/23
Chloride	ND	20.0							
LCS (2345010-BS1)							Prepared:	11/06/23 An	alyzed: 11/07/23

250

250

250

20.0

1000

1000

102

27.1

147

Source: E311007-02

Source: E311007-02

9040

90-110

80-120

80-120

3.25

Prepared: 11/06/23 Analyzed: 11/07/23

Prepared: 11/06/23 Analyzed: 11/07/23

20

M4

QC Summary	Report Comment:

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/23 12:50

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

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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Client: N	Matador Proc	duction C	ompany			Bill To		1		4	Lab U	se On	lly	Control of			TAT		EPA Pr	rogran
Project:	Joni East Manager: As	Facility	Tank	Battery		tion: Matador Production	n Compa					Numb		1D	2D	3D	Standard	CWA	SDV	
					The state of the s	ess: on file			E31	10	17	23	052	1000.				X		
	3122 Natio					State, Zip:		-				Analy	sis and	Method	1			The Street of the		RC
	e, Zip: Carls		88220			e: (337)319-8398			by				*							
	75-988-005				Emai	Email: clinton.talley@matadorre			ORC										State	
	giovengo@e	nsolum.c	om		-				ORO/	5	09	0	0.00		ΣZ		×		UT AZ	TX
Report d	ue by:						The same	-	30/0	0	7 826	601	le 30					X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			187.5	Lab ımber	TPH GRO/DRO/ORO by	8015	B1EX by 8021 VOC by 8260	Metals 6010	Chloride 300.0		верос		GDOC		Remarks	
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ddition	al Instructio	ns: Ple	ase CC: c	burton@enso	lum.com,	agiovengo@ensolum.com	, chadhr	nilton	@enso	lum.	com									
						tampering with or intentionally mis				7								eived on ice the da		pled or
late or time	of collection is c	onsidered fr	aud and ma	y be grounds for leg	gal action.	Sampled by: @ Nag	Hami	Ifon	Tir	200		0.000				ab 11a	a Oalı			
	ed by: (Signatur		14/	01/23		Michille Guy		-DI-c		OL	10	Rec	eived	on ice:	A 105	Y) N	e Only			
Relinquish	ed by: (Signatu	ely b	Date		230	Received by: (Signature)	Dat	e .] . [ne 17	30	T1			T2			<u>T3</u>		
Relinquish	ed by: (Signatu	re)	Date	Time	2	Regived by: (Signature)	Dat	е	Tir	ne				. 4	4					
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disposed of at the client expense. The report for the analysis of the above in the report.

entire the client expense. The report for the analysis of the above in the report.

Printed: 11/2/2023 10:51:39AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

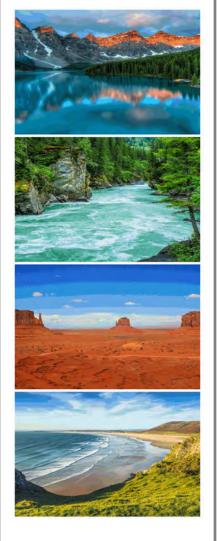
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/02/23	08:15		Work Order ID:	E311017
Phone:	(972) 371-5200	Date Logged In:	11/01/23	17:10		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	11/08/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mate	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	currer. <u>c</u>	<u> </u>		
	Il samples received within holding time?	·	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion			•		Comment	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	, <u> </u>	temperature. 1	<u> </u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·	iers conecteur	165				
	field sample labels filled out with the minimum info	rmation					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	n/9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	NI A		
		so who:	INA	Subcontract Lab); NA		
Client In	<u>istruction</u>						

Page 13 of 13

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Voni East Facility Tank Battery

Work Order: E311120

Job Number: 23052-0001

Received: 11/15/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/16/23

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: 11/16/23

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

Project Name: Voni East Facility Tank Battery

Workorder: E311120

Date Received: 11/15/2023 8:20:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/15/2023 8:20:00AM, under the Project Name: Voni East Facility Tank Battery.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

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Sample Summary

Γ	Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Donoutoda
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/16/23 16:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS11-2'	E311120-01A	Soil	11/13/23	11/15/23	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/16/2023 4:48:53PM

FS11-2' E311120-01

		E311120-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2346043
Benzene	ND	0.0250	1	11/15/23	11/15/23	
Ethylbenzene	0.0649	0.0250	1	11/15/23	11/15/23	
oluene	0.0268	0.0250	1	11/15/23	11/15/23	
-Xylene	0.351	0.0250	1	11/15/23	11/15/23	
o,m-Xylene	1.11	0.0500	1	11/15/23	11/15/23	
Total Xylenes	1.47	0.0250	1	11/15/23	11/15/23	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/15/23	11/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2346043
Gasoline Range Organics (C6-C10)	48.5	20.0	1	11/15/23	11/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/15/23	11/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2346051
Diesel Range Organics (C10-C28)	662	25.0	1	11/15/23	11/15/23	
Dil Range Organics (C28-C36)	75.6	50.0	1	11/15/23	11/15/23	
Surrogate: n-Nonane		97.3 %	50-200	11/15/23	11/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2346055
Chloride	2380	20.0	1	11/15/23	11/15/23	



Voni East Facility Tank Battery Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 11/16/2023 4:48:53PM **Volatile Organics by EPA 8021B** Analyst: RKS RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2346043-BLK1) Prepared: 11/15/23 Analyzed: 11/15/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.3 70-130 LCS (2346043-BS1) Prepared: 11/15/23 Analyzed: 11/15/23 4.93 5.00 98.6 70-130 0.0250 Benzene Ethylbenzene 4.74 0.0250 5.00 94.8 70-130 4.93 98.7 70-130 0.0250 5.00 Toluene 4.87 97.5 70-130 o-Xylene 0.0250 5.00 9.79 10.0 97.9 70-130 0.0500 p,m-Xylene 97.8 70-130 14.7 0.0250 15.0 Total Xylenes 8.00 98.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.89 Matrix Spike (2346043-MS1) Source: E311119-22 Prepared: 11/15/23 Analyzed: 11/15/23

Matrix Spike Dup (2346043-MSD1)				Source:	E311119-2	22	Prepared: 11/15/23 Analyzed: 11/15/23
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	63-131	
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	
Toluene	4.81	0.0250	5.00	ND	96.2	61-130	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	
Benzene	4.81	0.0250	5.00	ND	96.1	54-133	

Matrix Spike Dup (2346043-MSD1)				Source:	E311119-2	22	Prepared: 11	1/15/23 Analyzed: 11/15/23
Benzene	5.08	0.0250	5.00	ND	102	54-133	5.48	20
Ethylbenzene	4.90	0.0250	5.00	ND	97.9	61-133	5.55	20
Toluene	5.08	0.0250	5.00	ND	102	61-130	5.42	20
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	5.47	20
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.46	20
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	5.46	20
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130		

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Voni East Facility Tank Battery 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/16/2023 4:48:53PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go				11/16/2023 4:48:53PM
	Non		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 (2346043-BLK1)							Prepared: 1	1/15/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			
LCS (2346043-BS2)							Prepared: 1	1/15/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike (2346043-MS2)				Source:	E311119-2	22	Prepared: 1	1/15/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			
Matrix Spike Dup (2346043-MSD2)				Source:	E311119-2	.2	Prepared: 1	1/15/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130	0.380	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Matador Resources, LLC.Project Name:Voni East Facility Tank BatteryReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/16/2023 4:48:53PM

Danas 1A, 73240		Project Manage	r: As	miey Gloveng	go			1	11/10/2023 4.46.33FF
	Nonha	logenated Or	ganics by	EPA 8015I	D - 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 (2346051-BLK1)							Prepared: 1	1/15/23 Ar	nalyzed: 11/15/23
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.4		50.0		98.9	50-200			
CS (2346051-BS1)							Prepared: 1	1/15/23 Ar	nalyzed: 11/15/23
riesel Range Organics (C10-C28)	241	25.0	250		96.6	38-132			
urrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike (2346051-MS1)				Source:	E311119-2	4	Prepared: 1	1/15/23 Ar	nalyzed: 11/15/23
riesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132			
urrogate: n-Nonane	50.8		50.0		102	50-200			
Matrix Spike Dup (2346051-MSD1)				Source:	E311119-2	4	Prepared: 1	1/15/23 Ar	nalyzed: 11/15/23
tiesel Range Organics (C10-C28)	245	25.0	250	ND	97.8	38-132	4.10	20	
urrogate: n-Nonane	52.2		50.0		104	50-200			
iesel Range Organics (C10-C28)		25.0			97.8	38-132			nalyzed: 11/

Matrix Spike Dup (2346055-MSD1)

Chloride

QC Summary Data

Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/16/2023 4:48:53PM

Anions by EPA 300.0/9056A								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 (2346055-BLK1)							Prepared: 1	1/15/23 Analy	yzed: 11/15/23	
Chloride	ND	20.0								
LCS (2346055-BS1)							Prepared: 1	1/15/23 Analy	yzed: 11/15/23	
Chloride	255	20.0	250		102	90-110				
Matrix Spike (2346055-MS1)				Source:	E311119-2	25	Prepared: 1	1/15/23 Analy	yzed: 11/15/23	
Chloride	280	20.0	250	27.1	101	80-120				

250

20.0

Source: E311119-25

102

80-120

0.300

27.1

QC Summary Report Comment:

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



Prepared: 11/15/23 Analyzed: 11/15/23

20

Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Voni East Facility Tank Battery	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/16/23 16:48

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



1_	Received by
	OCD:
	11/22/2024
	8:53:43
	AM

Client: A	Matador Prod	duction C	omnany		Ri	II To				Lab U	SA OI	alv		-		TAT		FPΔP	rogram
	Voni East 1				Attention: Matador		mpany	Lab W	0#	11-7			1	1D	2D		Standard	CWA	SDW
	Manager: As			241.75	Address: on file			E3	1117	(2)	12:	Number 3052-00	100	X					
	3122 Natio				City, State, Zip:						Anal	ysis and Met	hod						RCR
	e, Zip: Carls		88220		Phone: (337)319-839) by											
	75-988-005				Email: clinton.talley@	matadorreso	irces.com	/OR(_			NIMI CO	State UT AZ	TVI
Report d	giovengo@e	nsolum.c	com					TPH GRO/DRO/ORO by	3021	760	010	Chloride 300.0		Z	1	¥	X	OT AZ	1^
Time	ue by.		No. of				Lab	GRO,	by 8	by 8.	als 60	ide		8		Q			
Sampled	Date Sampled	Matrix	Containers	Sample ID			Number	TPH	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chlor		верос		CDOC		Remarks	
10.00	111	1 1		1=S/1 -	21		1							X					
12:51	11/13/23	50.1		1-5/1-			1		-	+	-		-	^	-	-			
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Addition	al Instructio	ns. Ple	ase CC. c	hurton@ensoli	um.com, agiovengo@ensc	olum com, cha	dhmilton	@ensol	um c	om e	haft	@ensolum	com						
-autroni	ar motractio	113. 110	asc cc. c	our come ensore	annicom, agrovengo e crisc	oranneonn, ena		e chiso.		J, C		e chisolann							
, (field samp	ler), attest to the	validity and	d authenticit	y of this sample. I ar	n aware that tampering with or inte	entionally mislabellin	g the sample	location,			100	es requiring thern							pled or
late or time	of collection is c	onsidered fr	aud and may	y be grounds for lega	l action. Sampled by	y: Chad Hami	Iton				receive	ed packed in ice a	t an av	g temp	p above	0 but less	than 6 °C on subs	sequent days.	
Relinguishe	ed by: (Signatur	el	Date	Time	Received by: (Signatu	re)	Date	12 Tim	ne n	~				Lat	b Use	Only			
11				14/23	madele	Sey 1	11-14:	25 1	03	0	Rec	eived on ice	2:	0	/ N	Only			
	d by: (Signatur		Date	100 5% Time	Received by: (Signatu	11	Date	Tim											
	ula tu			1425 16	00 Andraw	14880			180	0	<u>T1</u>		_ I	Γ2			<u>T3</u>		
Relinquishe	ed by: (Signatur		Date	Time	Received by: (Signatu	ire)	Date	Tim S		0)		- 0-	1						
Andr	ix: S - Soil, Sd - S	380		14.13 24	o amonteni		11/19	Type: g	3:20			Temp °C_	4						



envirotechia envirotechia envirotechia

Printed: 11/15/2023 12:06:34PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	11/15/23 0	8:20		Work Order ID:	E311120
Phone:	(972) 371-5200	Date Logged In:	11/14/23 1	6:57		Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:		7:00 (0 day TAT)		<i>50</i> ,	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)	ion.					
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	ample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
13. If no v	visible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
	nel field sample labels filled out with the minimum info cample ID?	ormation:	Yes				
	ate/Time Collected?		Yes	l			
	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborate	orv?	No				
	subcontract laboratory specified by the client and i	-		Subcontract Lab	: NA		
	struction						

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Voni East TB

Work Order: E405306

Job Number: 23003-0002

Received: 5/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/3/24

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: 6/3/24

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

Project Name: Voni East TB

Workorder: E405306

Date Received: 5/22/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/22/2024 9:00:00AM, under the Project Name: Voni East TB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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rainaschwanz@envirotech-inc.com

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Michelle Golzales

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Sample Summary

Matador Resources, LLC.	Project Name:	Voni East TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reporteu:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/03/24 13:01

Client Sample ID	Lab Sample ID Matrix	Sampled Receiv	ved Container
SS05A - 0'	E405306-01A Soil	05/20/24 05/22/	24 Glass Jar, 2 oz.
SS06A - 0'	E405306-02A Soil	05/20/24 05/22/	Glass Jar, 2 oz.
SS08B - 0'	E405306-03A Soil	05/20/24 05/22/	Glass Jar, 2 oz.
FS13 - 0'	E405306-04A Soil	05/20/24 05/22/	Glass Jar, 2 oz.
Fs14 - 0'	F405306-05A Soil	05/20/24 05/22/	24 Glass Jar. 2 oz.



Sample Data

Matador Resources, LLC.	Project Name:	Voni East TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/3/2024 1:01:08PM

SS05A - 0' F405306-01

		E405306-01				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2421143
Benzene	ND	0.0250	1	05/24/24	05/27/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/27/24	
Toluene	ND	0.0250	1	05/24/24	05/27/24	
o-Xylene	ND	0.0250	1	05/24/24	05/27/24	
o,m-Xylene	ND	0.0500	1	05/24/24	05/27/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/27/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2421143
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2422092
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane		111 %	50-200	05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2421186
Chloride	221	40.0	2	05/25/24	05/26/24	

Matador Resources, LLC.	Project Name:	Voni East TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/3/2024 1:01:08PM

SS06A - 0' E405306-02

		E405500-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2421143
Benzene	ND	0.0250	1	05/24/24	05/27/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/27/24	
Toluene	ND	0.0250	1	05/24/24	05/27/24	
o-Xylene	ND	0.0250	1	05/24/24	05/27/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/27/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/27/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2421143
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2422092
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane		112 %	50-200	05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2421186
Chloride	ND	40.0	2	05/25/24	05/26/24	



Matador Resources, LLC.	Project Name:	Voni East TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/3/2024 1:01:08PM

SS08B - 0' E405306-03

yte 1	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
ile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2421143
ne	ND	0.0250	1	05/24/24	05/27/24	
enzene	ND	0.0250	1	05/24/24	05/27/24	
ne	ND	0.0250	1	05/24/24	05/27/24	
ene	ND	0.0250	1	05/24/24	05/27/24	
ylene	ND	0.0500	1	05/24/24	05/27/24	
Kylenes	ND	0.0250	1	05/24/24	05/27/24	
ate: 4-Bromochlorobenzene-PID		92.6 %	70-130	05/24/24	05/27/24	
alogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2421143
ne Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/27/24	
ate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/24/24	05/27/24	
alogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2422092
Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
nge Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
ate: n-Nonane		105 %	50-200	05/30/24	06/02/24	
	_					2421106
ns by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2421186
alogenated Organics by EPA 8015D - GRO ne Range Organics (C6-C10) nete: 1-Chloro-4-fluorobenzene-FID alogenated Organics by EPA 8015D - DRO/ORO Range Organics (C10-C28) nge Organics (C28-C36)	mg/kg ND mg/kg ND ND	92.6 % mg/kg 20.0 106 % mg/kg 25.0 50.0	An 1 70-130 An 1 1 50-200	05/24/24 nalyst: BA 05/24/24 05/24/24 nalyst: NV 05/30/24 05/30/24	05/27/24 05/27/24 05/27/24 06/02/24	4 4 4 4



Matador Resources, LLC.	Project Name:	Voni East TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/3/2024 1:01:08PM

FS13 - 0' E405306-04

		E403300-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tilalye	Result	Liiiit	Dilution	Trepared	Maryzea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2421143
Benzene	ND	0.0250	1	05/24/24	05/27/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/27/24	
Toluene	ND	0.0250	1	05/24/24	05/27/24	
o-Xylene	ND	0.0250	1	05/24/24	05/27/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/27/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/27/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2421143
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2422092
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane		95.3 %	50-200	05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2421186
Chloride	5290	200	10	05/25/24	05/26/24	



Matador Resources, LLC.	Project Name:	Voni East TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/3/2024 1:01:08PM

Fs14 - 0' E405306-05

		E405306-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	Fichaica	Allalyzed	INUICS
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2421143
Benzene	ND	0.0250	1	05/24/24	05/27/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/27/24	
Toluene	ND	0.0250	1	05/24/24	05/27/24	
o-Xylene	ND	0.0250	1	05/24/24	05/27/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/27/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/27/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2421143
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	05/24/24	05/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2422092
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane		112 %	50-200	05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2421186
Chloride	3120	200	10	05/25/24	05/26/24	



Surrogate: 4-Bromochlorobenzene-PID

7.55

QC Summary Data

Matador Resources, LLC.Project Name:Voni East TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/3/2024 1:01:08PM

Dallas TX, 75240		Project Manager:	As	shley Gioveng	o			6	5/3/2024 1:01:08PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2421143-BLK1)							Prepared: 0	5/24/24 Ana	alyzed: 05/27/24
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	7.51		8.00		93.8	70-130			
LCS (2421143-BS1)							Prepared: 0	5/24/24 Ana	alyzed: 05/27/24
Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			
LCS Dup (2421143-BSD1)							Prepared: 0	5/24/24 Ana	alyzed: 05/27/24
Benzene	5.00	0.0250	5.00		99.9	70-130	3.28	20	
Ethylbenzene	4.74	0.0250	5.00		94.7	70-130	3.00	20	
Toluene	4.94	0.0250	5.00		98.9	70-130	3.24	20	
o-Xylene	4.85	0.0250	5.00		97.0	70-130	3.12	20	
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130	2.89	20	
Total Xylenes	14.6	0.0250	15.0		97.5	70-130	2.97	20	

8.00

94.3

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Voni East TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/3/2024 1:01:08PM

Nonhalogenated	Organics by	v EPA	.8015D -	GRO

Analyst: BA

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

Blank (2421143-BLK1)						Prepared: 0:	5/24/24	Analyzed: 05/27/24
Gasoline Range Organics (C6-C10)	ND	20.0				1		<u> </u>
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00	106	70-130			
LCS (2421143-BS2)						Prepared: 0:	5/24/24	Analyzed: 05/27/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.62		8.00	108	70-130			
LCS Dup (2421143-BSD2)						Prepared: 0	5/24/24	Analyzed: 05/27/24
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	97.2	70-130	2.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.62		8.00	108	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Voni East TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/3/2024 1:01:08PM

Danas 1A, 75240 Project Ivianager. Asincy Giovengo									0/3/2024 1.01.001 WI				
	Nonha		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 (2422092-BLK1)							Prepared: 0	5/30/24 Ana	lyzed: 06/01/24				
Diesel Range Organics (C10-C28)	ND	25.0											
Oil Range Organics (C28-C36)	ND	50.0											
Surrogate: n-Nonane	56.8		50.0		114	50-200							
LCS (2422092-BS1)							Prepared: 0	5/30/24 Ana	lyzed: 06/01/24				
Diesel Range Organics (C10-C28)	296	25.0	250		118	38-132							
Surrogate: n-Nonane	56.6		50.0		113	50-200							
LCS Dup (2422092-BSD1)							Prepared: 0	5/30/24 Ana	lyzed: 06/01/24				
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132	2.89	20					
Surrogate: n-Nonane	55.3		50.0		111	50-200							

QC Summary Data

Matador Resources, LLC.	Project Name:	Voni East TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/3/2024 1:01:08PM

		Anions	by EPA 3	00.0/9056	4				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 (2421186-BLK1)							Prepared: 0	5/25/24 A	Analyzed: 05/25/24
Chloride	ND	20.0							
LCS (2421186-BS1)							Prepared: 0	5/25/24 A	Analyzed: 05/25/24
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2421186-BSD1)							Prepared: 0	5/25/24 A	Analyzed: 05/25/24
Chloride	252	20.0	250		101	90-110	1.04	20	

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Voni East TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/03/24 13:01

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 12/2/2024 3:09:36 PM

Page of _	_
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	Clie	nt Inform	ation			·=1	Invoice Information Lab Use Or								ly				TA	T		State			
Client: N	latador Prod	luction Co	ompany			Company: Ensolum LLC Address: 3122 National Parks Hwy				Company: Ensolum LLC Address: 3122 National Parks Hwy Lab WO# E405366 2303-00							ber		1D	2D	3D S	itd	NM	CO UT	TX
	Voni East TB									Address: 3122 National Parks Hw		ional Parks Hwy	wy		=4()5	30	اعا	23c	03	-co	2			x
	lanager: As		engo			City, S	state, Zip: Car	lsbad NM, 8822	00				1								i said	14/2	in The	E. Park	7 1 1 A 1 B
Address:	3122 Natio	nal Parks	Hwy			Phone	e: 575-988-0	055			4				Ana	lysis	and	Met	hod				EP.	A Progra	ım
City, Stat	e, Zip: Carls	bad NM,	88220			Email	i: agiovengo	@ensolum.com															SDWA	CWA	RCRA
Phone: 5	575-988-00 <u>5</u>	5		_		Miscel	llaneous:		1													L			
Email: a	giovengo@e	<u>nsolum.c</u>	om		/: ``	\$ ⁴			:		1	8015	8015										Complianc	e Y	or N
									}			8	8	≂	٥	0.0	5	×	la s			ļ	PWSID#		
				Sam	ple Info	rmation			1		_	8	8	88	826	e 30	ž	500	Me		İ	- 1			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sa	ımple ID		Field	Lab Numb	per	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks	
11:19	5/20/2024	Soil	1			SSC	05A - 0'			1							х							-	
10:40	5/20/2024	Soil	1			SSC	06A - 0¹			2							х					İ			
11:55	5/20/2024	Soil	1			SS	08B - 0'			3							х								
12:27	5/20/2024	Soil	1			FS	S13 - O'			4							х								
12:28	5/20/2024	Soil	1			Fs	s14 - 0'			5							х								
										1															
										 	\dashv	_										_			
Addition	l nal Instructio	ns: Ple	ase CC: cl	urton@e	ensolum	n.com, ag	giovengo@en:	solum.com, cha	milto	on@en	solu	m.c	om, i	iestr	ella@) Pens	olun	n.cor	n						
I, (field sam	pler), attest to th	e validity and	d authenticity	of this same	ple. I am av	ware that tai	mpering with or int	entionally mislabeling	the sa	ımple loca	ation,	date	or time	of co	llectio	n is co	nsider	ed frau	ıd and	may b	e groun	ds for	legal action.		
	:Cole Burton_		ls.		I=				Ines		I-	Time					Isamo	or rock	ising th	ermal r	resentati	ion mi	ıst be received	on ice the d	au they are
Relinquish	ed by (Signate	Elm.	, Date 5/	21/24	7:	70 M	eceived by: (Signa	Ganzalec		<u>υ.</u> 24		Ō	730)			sampl		ceived		in ice at	an ave	temp above 0		
Mia	ed by: (Signatu	over	les 5-	21.24 21.24	Tirfle	20 C	eceived by (Signa		Date 5	રા.		Time	<u>5</u>				Rec	eived	d on i	ice:	_	b Us / N	e Only		
Refinodish	ed by: (Signatu	re) 0	Date 5	L1.14	100 J		eceived by: (Signa	ature)	Date	122/2	<u>'</u> 4]	Time 9	∞	>			<u>T1</u>				<u>T2</u>			<u>T3</u>	
Relinquish	ed by: (Signatu	ге)	Date		Time	R€	eceived by: (Signa	aturė)	Date	•		Time					1	i Ten	•		<u>+</u>	_			
Sample Mat	trix: S - Soil, Sd - S	iolid, Sg - Slu	dge, A - Aque	ous, O - Oth	er					tainer															
								nade. Hazardous sa										e cliei	nt exp	ense.	The re	port	for the anal	ysis of the	above



Printed: 5/25/2024 2:28:04PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/22/24	09:00		Work Order ID:	E405306
Phone:	(972) 371-5200	Date Logged In:	05/21/24	18:02		Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	05/30/24	17:00 (5 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the 5. Were al Sample T 6. Did the Sample C	Custody (COC) The sample ID match the COC? The number of samples per sampling site location may amples dropped off by client or carrier? The COC complete, i.e., signatures, dates/times, requently samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e., 15 minute hold time, are not included in this disucssifurn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>	Courier	<u>Comment</u>	s/Resolution
	sample cooler received?		Yes				
-	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4-0	<u>C</u>				
Sample C			NI-				
	queous VOC samples present? OC samples collected in VOA Vials?		No NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab		ners conected?	105				
20. Were 1 Sa Da	field sample labels filled out with the minimum info ample ID? ate/Time Collected?	ormation:	Yes Yes				
_	ollectors name?		Yes				
21. Does t	reservation the COC or field labels indicate the samples were p ample(s) correctly preserved?	reserved?	No NA				
	filteration required and/or requested for dissolved r	netals?	No				
<u>Mul</u> tipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
Subcontr	act Laboratory						
	and the contract y Imples required to get sent to a subcontract laborate	ary?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab	·NA		
	struction	1 30 WHO.	1471	Subcontract Lab	. NA		



APPENDIX F

Email Correspondence

From: Hamlet, Robert, EMNRD

To: Ashley Giovengo

Cc: clinton.talley@matadorresources.com; Cole Burton; Chad Hamilton; Bratcher, Michael, EMNRD; Wells, Shelly,

EMNRD; Velez, Nelson, EMNRD

Subject: (Final Extension) - Matador - Voni East Facility Tank Battery -Incident Number nAPP2313247620

Date: Monday, November 13, 2023 9:29:27 AM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2313247620

Ashley,

Your request for an extension to **November 30th, 2023** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

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



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Monday, November 13, 2023 8:34 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Cc: clinton.talley@matadorresources.com; Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD

<Nelson.Velez@emnrd.nm.gov>

Subject: [EXTERNAL] RE: (Extension Approval) - Matador - Voni East Facility Tank Battery -Incident Number nAPP2313247620

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

Hello,

Due to excessive rains and project delays, the confirmation sampling at the Voni East Facility Tank Battery will be completed today (11/13/2023). Matador would like to request an extension of the

approved deadline of November 08, 2023, until 11/30/2023 for the purpose of receiving laboratory analytical results and completing a closure report per 19.15.29.12.B.(1) NMAC. Please let me know if you have any additional questions.

Thanks,



From: Hamlet, Robert, EMNRD < Robert.Hamlet@emnrd.nm.gov>

Sent: Friday, August 11, 2023 11:19 AM

To: Ashley Giovengo agiovengo@ensolum.com>

Cc: clinton.talley@matadorresources.com; Cole Burton cburton@ensolum.com; Chad Hamilton chamilton@ensolum.com; Bratcher, Michael, EMNRD mike.bratcher@emnrd.nm.gov; Wells,

Shelly, EMNRD < Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD

<<u>Nelson.Velez@emnrd.nm.gov</u>>

Subject: (Extension Approval) - Matador - Voni East Facility Tank Battery -Incident Number nAPP2313247620

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2313247620

Ashley,

Your request for an extension to **November 8th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD < Shelly. Wells@emnrd.nm.gov>

Sent: Monday, August 7, 2023 1:47 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD

<<u>Robert.Hamlet@emnrd.nm.gov</u>>

Subject: FW: [EXTERNAL] Matador - Extension Request -Voni East Facility Tank Battery -Incident

Number nAPP2313247620

From: Ashley Giovengo agiovengo@ensolum.com>

Sent: Monday, August 7, 2023 10:53 AM

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

Cc: <u>clinton.talley@matadorresources.com</u>; Cole Burton < <u>cburton@ensolum.com</u>>; Chad Hamilton

<<u>chamilton@ensolum.com</u>>

Subject: [EXTERNAL] Matador - Extension Request -Voni East Facility Tank Battery -Incident Number

nAPP2313247620

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

All,

Matador is requesting an extension for the current deadline of August 10, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Voni East Facility Tank Battery (Incident Number nAPP2313247620). The release occurred on May 12, 2023, and initial site assessment and delineation activities have been completed. In order to determine depth to water at the Site, Matador has contracted Atkins Engineering Associates to complete a depth to water boring on September 05, 2023. The well log and file will be submitted to the New Mexico Office of the State Engineer (NMOSE) and included in the remediation work plan or closure report. Matador will submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Matador respectfully requests a 90-day extension until November 08, 2023.

Thanks,



From: Wells, Shelly, EMNRD

To: Ashley Giovengo; clinton.talley@matadorresources.com; Morgan, Crisha A

Cc: Cole Burton; Chad Hamilton; Ethan Haft; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] RE: 48-hour Confirmation Sampling Notification - Matador Production Company - Voni East

Facility Tank Battery - Incident Number nAPP2313247620

Date: Monday, November 13, 2023 9:18:08 AM

Attachments: <u>image001.png</u> <u>image002.png</u>

image002.png image003.png image004.png

[**EXTERNAL EMAIL**]

Hi Ashley,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Friday, November 10, 2023 8:41 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; clinton.talley@matadorresources.com; Morgan, Crisha A <camorgan@blm.gov>

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

Subject: [EXTERNAL] RE: 48-hour Confirmation Sampling Notification - Matador Production Company - Voni East Facility Tank Battery - Incident Number nAPP2313247620

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

Hello,

Ensolum personnel will be returning to the Site to re-collect 2 confirmation floor samples on Monday 11/13/2023 at 09:00 am MST.

Thanks,



From: Ashley Giovengo

Sent: Monday, October 30, 2023 10:41 AM

To: 'Enviro, OCD, EMNRD' < cod.enviro@emnrd.nm.gov>; 'clinton.talley@matadorresources.com' < clinton.talley@matadorresources.com; 'Morgan, Crisha A' < camorgan@blm.gov>

Cc: Cole Burton < chamilton@ensolum.com >; Chad Hamilton < chamilton@ensolum.com >; Ethan Haft < ehaft@ensolum.com >

Subject: RE: 48-hour Confirmation Sampling Notification - Matador Production Company - Voni East Facility Tank Battery - Incident Number nAPP2313247620

Hello,

Please extend this confirmation sampling notification to Wednesday November 01, 2023. Excavation of the release extent was delayed due to weather conditions.

Thanks,



From: Ashley Giovengo

Sent: Friday, October 20, 2023 10:04 AM

To: Enviro, OCD, EMNRD < ocd.enviro@emnrd.nm.gov >; clinton.talley@matadorresources.com;

Morgan, Crisha A < camorgan@blm.gov>

Cc: Cole Burton < chamilton@ensolum.com >; Chad Hamilton < chamilton@ensolum.com >; Ethan Haft < ehaft@ensolum.com >

Subject: 48-hour Confirmation Sampling Notification - Matador Production Company - Voni East Facility Tank Battery - Incident Number nAPP2313247620

Hello,

We intend to collect confirmation samples at Matador Production Company's, Voni East Facility Tank Battery site (Incident Number *nAPP2313247620*) beginning on Thursday, October 26, 2023, at 09:00

am MST through Friday, October 27, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



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

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

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

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

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

QUESTIONS

Action 344315

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	344315
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313247620
Incident Name	NAPP2313247620 VONI EAST FACILITY TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202575165] Voni East Facility Tank Battery

Location of Release Source							
Site Name VONI EAST FACILITY TB							
Date Release Discovered	05/12/2023						
Surface Owner	Federal						

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,519
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/20/2024
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	32.03343, -103.77998

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

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

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

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

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

CONDITIONS

Action 344315

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	344315
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created	Condition Date
c_talley	5/14/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

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

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

QUESTIONS

Action 405752

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405752
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313247620
Incident Name	NAPP2313247620 VONI EAST FACILITY TB @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2202575165] Voni East Facility Tank Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	VONI EAST FACILITY TB
Date Release Discovered	05/12/2023
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Repair and Maintenance Dump Line Produced Water Released: 46 BBL Recovered: 0 BBL Lost: 46 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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Phone: (505) 629-6116
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.

Santa Fe, NM 87505

State of New Mexico

QUESTIONS, Page 2

Action 405752

QUESTI	ONS (continued)
Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937 Action Number: 405752 Action Type:
QUESTIONS	[C-141] Deferral Request C-141 (C-141-v-Deferral)
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative 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.
to report and/or file certain release notifications and perform corrective actions for releating 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 uses 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 to 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: 11/22/2024

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

Phone: (505) 629-6116 Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 405752

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405752
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1000 (ft.) and ½ (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	Medium	
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	olan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertica	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in mill	igrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	15900
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	9368
GRO+DRO	(EPA SW-846 Method 8015M)	8568
BTEX	(EPA SW-846 Method 8021B or 8260B)	43
Benzene	(EPA SW-846 Method 8021B or 8260B)	2
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date wil	I the remediation commence	10/30/2023
On what date will (or did) th	ne final sampling or liner inspection occur	05/20/2024
On what date will (or was) t	he remediation complete(d)	11/13/2024
What is the estimated surfa	ce area (in square feet) that will be reclaimed	2507
What is the estimated volur	ne (in cubic yards) that will be reclaimed	186
What is the estimated surfa	ce area (in square feet) that will be remediated	2094
What is the estimated volur	ne (in cubic yards) that will be remediated	140
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

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

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

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 4

Action 405752

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405752
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

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

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

I hereby agree and sign off to the above statement

Name: Jason Touchet Title: EHS Field Rep

Email: jason.touchet@matadorresources.com

Date: 11/22/2024

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.

MATADOR PRODUCTION COMPANY

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

General Information Phone: (505) 629-6116

Operator:

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

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

QUESTIONS, Page 5

Action 405752

QUESTIONS (continued)

OGRID:

228937

Dallas, TX 75240	405752
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	of the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Tank battery containment, process pipping
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2507
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	186
	liately under or around production equipment such as production tanks, wellheads and pipelines where n may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	Voni East Facility Tank Battery [fAPP2202575165]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it 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: 11/22/2024

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 405752

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405752
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	344315
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/20/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	4519

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 405752

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	405752
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of area around production equipment/pipelines delineated laterally by SS05A, SS06A, SS07, and SS08B and delineated vertically by SS01F is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	12/2/2024